WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

MARCH 3, 1956

Hauling lots of water!

Cattle at all-time high 11

How to save more pigs 42

Farm kids and tractors 68

Desserts that men like 70

A playroom for kids 72

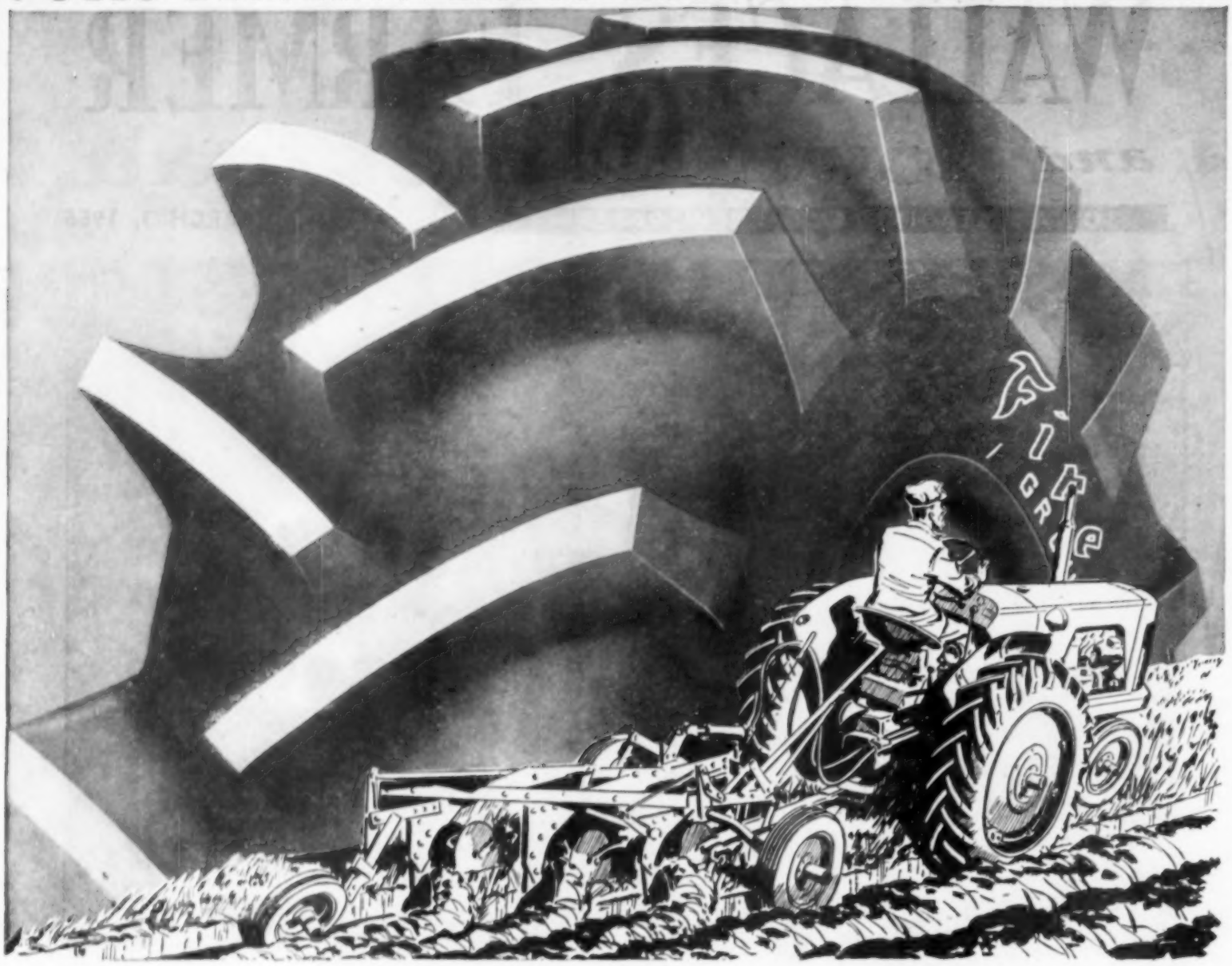
"Pint-sized" fruit trees 95

THE "water wagons" are rolling in southern Iowa. You'll see lots of farm trucks equipped with water tanks as you drive across the area. And a few commercial truckers have shifted to full-time water hauling.

Ponds and wells—weakened by last summer's dry weather—have dried up during the prolonged winter drouth. So hundreds of livestock farmers are hauling water. And it isn't hard to find farmers who are hauling water for household use.

Cover picture shows Clarke county, Iowa, farmers, Virgil Day and Everett Arnold, loading their trucks with water from a city reservoir at Osceola.

PULLS BETTER . . . LASTS LONGER . . . COSTS LESS!



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COMPARE the Firestone "Deep Tread" with other tractor tires in its price range. You will find the price is low and the famous Firestone quality will give you much more for your money.

Although low in price, the Firestone "Deep Tread" tractor tire has more tread rubber for longer tire life . . . deeper curved and tapered bars and big powerful shoulders for maximum drawbar pull . . . and flared tread openings for positive cleaning in any soil condition.

The new Firestone Safety-Tensioned Gum-Dipped* cord body is the strongest built today. The Safety-Tensioned Gum-Dipped cord body lasts longer and resists costly impact breaks.

Let your nearest Firestone Dealer or Store show you the many money-saving advantages of the Firestone "Deep Tread" tractor tire. He will be glad to quote you the low exchange price for your tractor tire size.

*T.M. Reg. U.S. Pat. Off.

Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

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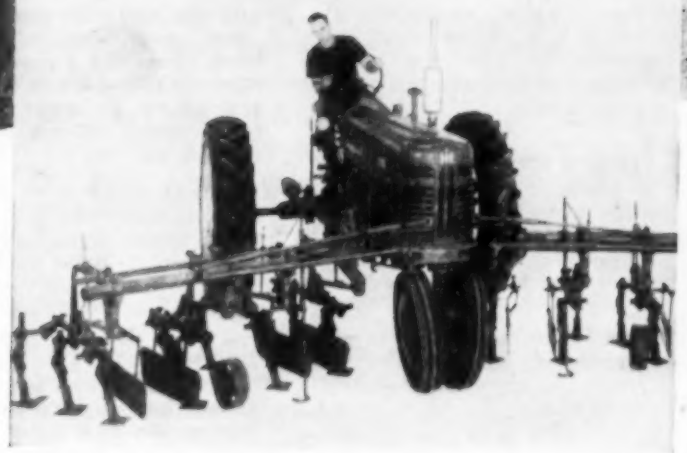
SEE HOW e-a-s-y HOE-CLOSE CULTIVATION CAN BE WITH NEW McCORMICK® FARMALL® 300 AND 400 TRACTORS



Mount in 6 minutes or less without lifting! Detach it just as quickly and easily—without disturbing tool settings! Rigid side-to-side construction of cultivator keeps sweeps from sliding around big weeds. There's high crop clearance for laying by tall corn. Tool bar clamps make it easy to move ground tools away from the row as the crop grows.

Your IH dealer will gladly demonstrate the many ways that Hydra-Touch and Torque Amplifier can help you keep fields weed-free with less work than ever. Ask about Fast-Hitch, *completely* independent pto and other Farmall advantages. Use the convenient IH Income Purchase Plan to buy now.

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International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler and Utility Tractors and Power Units—General Office, Chicago 1, Illinois.

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- **TORQUE AMPLIFIER gives 10 speeds forward . . . 8 for cultivating!**

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Be sure your cultivator is equipped with 2-way hydraulic cylinders and pressure spring attachment! This enables you to use down pressure to maintain *precisely* the depth of shovels or sweeps in varying soil conditions. These same cylinders also give you unequalled control of all other big implements.

Just pull the Torque Amplifier lever to cut speed one-third for full-power pivot turns. This ends stalling . . . gives snappy full hydraulic implement action. TA gives two speeds in each gear—eight cultivating speeds! You can close-cultivate tiny seedlings at a crawl . . . lay-by crops at speeds up to 6½ mph!

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Tell me more about Hydra-Touch, Torque Amplifier and other Farmall advantages. Send catalog checked:

☐ Farmall 400 (4-plow) ☐ Farmall 300 (3-plow) ☐ Hinge-Frame Cultivators (2 or 4-row)

Name_____ ☐ Student

Post Office_____ State_____

My IH dealer is_____

Hogs and Cattle

BY WALTER J. LEEDS

Weaning early or late...

Watch that creep feed!

WEANING early this year? Or will you keep your spring pigs with the sow a full eight weeks?

With early weaning, you save on sow feed during the shorter lactation, and it takes less sow feed to condition the sows for re-breeding or market. You may also save some pigs from crushing by taking the sows away early.

On the other hand, regular weaning requires no special equipment, housing or care. And with regular weaning, you can take full advantage of the sow's milk supply, as long as it lasts.

Either way you go—early-weaning or late—much of your success will depend on the kind of nourishment your pigs get. If you are weaning early, you need a ration that will completely replace the sow. And if you are weaning at 7 or 8 weeks, you'll need a dry feed that not only tempts pigs to eat *early*, but also crams pigs with antibiotics, minerals and vitamins after the sow's milk begins to fall off.

Of course, with either weaning plan, you want economy, too. Which all adds up to quite a sizable order: Powerful nourishment and high taste appeal . . . plus economy. But it's no problem if you're following the new "Weight-Cycle Hog Raising Plan" developed by Nutrena research workers.

First step in the Weight-Cycle plan calls for a new pre-starter feed—Creep-24. Creep-24 is so powerful you can wean at 3 weeks if you want to.

Steps Number Two and Three in the Weight-Cycle Plan call for a special creep feed—Creep-20, followed by a new, economy grower ration—Pre-Shoat-16. Together these feeding steps give you powerful early nourishment and taste appeal *plus real feeding economy.*

Nutrena's Creep-20 is so crammed with pig-building nourishment, high-level antibiotics and arsanilic acid it will completely replace the sow in early weaning. And it is this same Creep-20 that has helped many hog raisers get 40, 50 and even a few 60-pound pigs in 8 weeks with regular weaning.

If you are feeding a pre-starter—with or without early weaning—I recommend switching to Creep-20 when your pigs weigh 15 pounds. If you are not feeding a pre-starter, I suggest you get Creep-20 in front of your pigs the first week.

Will pigs eat Creep-20 this early? Many hog raisers say their pigs start nibbling away on Creep-20 only 5 to 7 days after birth. The reason they eat Creep-20 this early is that it contains a full 50% tasty rolled oats.

Nutrena folks recommend feeding Creep-20 until your pigs reach 35 pounds. At this point, pigs still need high levels of minerals, vitamins and antibiotics, but they need less protein and can get their energy from more economical sources.

Nutrena's Weight-Cycle plan cashes in on this opportunity to save on feed costs with a new, complete grower ration. It's called Pre-Shoat-16. Pre-Shoat-16 contains the same high levels of minerals, vitamins and antibiotics found in Creep-20, but it contains 16% protein instead of 20, and it uses more economical sources of energy than rolled oats. You feed Pre-Shoat-16 to pigs from 35 pounds to 60 pounds.

To me these two Weight-Cycle feeds—Creep-20 and Pre-Shoat-16—are a real step forward in modern hog feeding efficiency. So I suggest you talk to your Nutrena dealer soon and get the facts on the complete Weight-Cycle plan. No matter when you wean—early or late—it's the best feeding plan I know of to get strapping-big pigs early—and get real feeding economy, too. (Advertisement)

One hog raiser who cut sow numbers in 1955 was Wilbur Dreesen, Calhoun county, Iowa. He had 30 sows farrow in 1954, only 11 last spring. When asked by the Wallace-Homestead Poll whether the government should support hog prices, Dreesen said he was undecided. For a full report on that poll, see page 84.

INSIDE STUFF

SUPPOSE YOU hired a man last year to do a piece of work. And paid him $1.54 for it.

THIS YEAR you want to hire him again—but to do a piece of work twice as hard. How much would you offer?

ORDINARY ARITHMETIC would say: "Twice what you paid last year or $3.08." But Secretary Benson says the right answer is $1.36.

THAT'S THE WAY the corn acreage cut works out. Last year to get a loan of $1.54, the average Iowa farmer cut his acres 12 percent from his 1954 base.

THIS YEAR, he is asked to cut 25 percent. And for doing this harder job, he gets a loan of around $1.36.

IF YOU LIKE high school basketball and don't want to drive miles to see the Iowa championship games, turn your TV set to KRNT-TV, Channel 8, the evening of March 17. Wallaces' Farmer and Iowa Homestead is sponsoring the telecast of the finals.

YOUR RADIO will bring you both the semi-finals on March 16 and the finals on March 17. Tune in on station KRNT.

WALLACE - HOMESTEAD is sponsoring the radio broadcasts too. For details, turn to page 28.

A SUBSCRIBER wants to know why I talk about 80 percent supports of hogs. Why not 90 percent?

LIVESTOCK supports are more complicated to handle than supports of grain. Better start in easy.

YOU'VE NOTICED all the talk about state colleges being overcrowded now and likely to be flooded by 1960. I wonder if we won't have to use junior colleges more than we do now.

WOULD IT HELP if we limited attendance at the state colleges to junior, senior and graduate students? Build up junior colleges to handle the first two years.

DO YOU HAVE a good hospital within easy driving distance? If so, you're lucky. Doctors can do a better job, handle more seriously sick people in a hospital than by home or office calls.

GETTING the patient to the hospital also eases the strain on the family. You always worry whether you're doing the right thing.

WHENEVER I'm laid up in bed, I think with gratitude of the many scientists who found, or stumbled across, the pain killing drugs. We all continue to live on the bright ideas of men and women we haven't seen and mostly haven't heard of.

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
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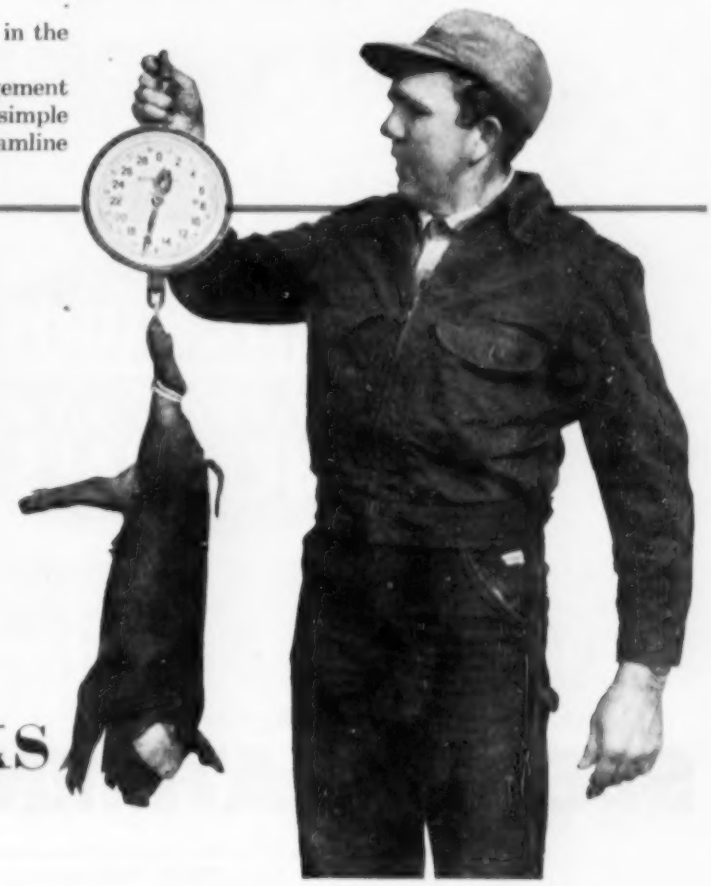
More news about the

New Weight-Cycle Hog Raising Plan

Now, in time for your '56 pig crop, the Weight-Cycle Hog Raising plan brings you latest scientific advances in low-cost pork production:

For high feed efficiency, a new feeding program tailored to the pig's changing needs at each stage in the growth cycle.

Plus easy-to-follow management suggestions to save work, and simple housing adjustments to streamline production.



STEP NO. 1

Powerful new pre-starter—Creep-24—gets baby pigs

On feed 5th day—

Off sow at 3 weeks

Are you weaning early this spring? Many hog raisers plan to this year. With the help of a powerful new pre-starter that pigs eat *early*, they can wean at 3 weeks.

However, many other hog raisers will use this same pre-starter regardless of when they wean. They figure it will more than pay its way in pigs saved and in quick early gains.

What is this new pre-starter ration? . . . It's called Creep-24. It's part of Nutrena's new Weight-Cycle Hog Raising Plan.

Whole idea of the Weight-Cycle plan is to feed, house and handle pigs to meet their changing needs from birth to market.

First stage in the Weight-Cycle plan covers the first 3 weeks of life. During this stage baby pigs don't eat a tremendous amount of feed.

Each mouthful must contain very high levels of nutrition and disease-fighting antibiotics for a fast, safe start. And each mouthful of feed must be loaded with taste appeal to get them eating early.

To meet these special problems, Nutrena scientists have developed Creep-24. This new pre-starter is a tremendously powerful ration. It contains over 50% milk products.

To get little pigs on dry feed only 4 to 7 days after birth, Creep-24 is loaded with taste appeal from sugar.

In fact, Nutrena guarantees that your pigs must eat Creep-24 more eagerly than any other pre-starter or starter, or your money back on your first trial bag.

Creep-24 combines special, easy-to-digest proteins with new, high-levels of energy, unidentified growth factors, iron, vitamin B-12 and other vital minerals and vitamins.

And to make sure your baby pigs get real scours-fighting help in each tiny bite, Creep-24 is fortified with antibiotics at the extra-high 100-gram level.

They need this high level of antibiotics for the prevention and treatment of necro, infectious scours and baby pig diarrhea.

With all this taste appeal, nourishment and antibiotic help in Creep-24, it's no wonder many hog raisers will successfully wean their pigs early this spring.

But whether you wean early or late, with Creep-24 your pigs will reach the second stage in the Weight-Cycle when they weigh around 15 pounds.

Step No. 2

A creep feed baby pigs love.

At 15 pounds, your pigs still need a powerful feed. But at this weight, a pig's requirements are changing.

That's why the second step in the Weight-Cycle plan calls for Nutrena's Creep-20 . . . the creep feed baby pigs love!

Creep-20 gets its taste appeal from a formula that's a full 50% rolled oats. And Creep-20 has the nourishment that young pigs need—especially after early weaning, when the dry feed must completely replace the milk from the sow.

In addition, Creep-20 is stepped-up with arsanilic acid and a 50-gram level of antibiotics to stimulate growth and fight harmful bacteria.

You feed Creep-20 until your pigs weigh 35 pounds. Then you're ready to move on to the rest of the Weight-Cycle plan with all its feeding economies.

The complete "Weight-Cycle Hog Raising Plan" is described in a new booklet called "Modern Pork Production." It features labor-saving, pig-saving management and housing ideas along with feeding helps. It's FREE. Get your copy from your Nutrena dealer this week.

Pre-Starter	Starter
Creep-24	**Creep-20**
Grower	**Finisher**
Pre-Shoat-16	**Shoat-40**

Weaning at 3 weeks or 8? Either way, your pigs need the fast Weight-Cycle start they can get from Creep-24 and Creep-20. Get the facts on the Weight-Cycle plan from your Nutrena dealer this week. Or write . . .
NUTRENA MILLS, INC., Minneapolis 15, Minn.

3 BIG WAYS YOU PROFIT WITH

MACKWIN Agricultural CHEMICALS

MACKODIEL

50% Dieldrin especially formulated for

SEED TREATMENT

University and State Experiment Stations and Agricultural Schools in the corn belt recommend Dieldrin as the preferred seed treatment material.

1

YOU PROTECT SEED FROM SOIL INSECTS

Now . . . with MACKODIEL . . . you can protect seed against wireworms, seed corn maggots, seed corn beetles and other soil insects. Eliminates replanting from insect damage. Formulated especially for seed treatment, this 50% dieldrin formula spreads quickly and uniformly, clings to the seed kernels. MACKODIEL prevents costly destruction of germinating seed. Protected from soil insects, your seed comes up fighting!

2

TREAT NOW OR AT PLANTING TIME

You can apply MACKODIEL now . . . get your seed ready for the hopper during the next few weeks. MACKDIEL protects seed from insects that often damage stored seed. When used in the planter box, requires only 2 oz. per bushel. Special formulation puts more MACKODIEL Seed Treatment on seed, less in the bottom of planter box. Gives better protection and no seeding plate problems.

3

COSTS ONLY ABOUT 6c PER ACRE!

MACKODIEL SEED TREATMENT gives you added assurance of healthy, thriving stands at a cost of only pennies per acre. When the cost is so low, and the benefits in improved yields so great, you just can't afford to plant untreated seed. Safeguard your crop prospects! See your dealer for your supply of MACKODIEL *now!*

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Washington Letter

Shooting starts in congress

Legislators move toward showdown on price supports and soil bank

FIREWORKS over the new farm bill have broken out all over Capitol Hill, just as predicted.

Sen. Allen J. Ellender of Louisiana, chairman of the Senate committee, which drafted the bill, began by lowering the boom on Secretary Benson.

"The secretary," he said, "is behaving like a bull with a red flag waved before him. Whenever 90 percent price supports are mentioned around him, he immediately sees red and runs around in circles."

Ellender holds that a return to high supports is the only way to lift farm income this year. This view is shared by a good many other legislators of both parties. They fear both the political consequences of tardy action and the possibility that it might result in spreading depression to other segments of the national economy.

Nevertheless, it is thought around Washington that the Senate vote on the 90 percent support issue will be close. If accepted, then the House may follow fairly promptly with its approval. But if there is a change to flexible prices, a stormy reception in the House is certain. There is only an outside chance for a compromise on a lower fixed figure, say 85 percent.

Under the chairmanship of North Carolina's Harold Cooley, the House agriculture committee has been grilling Secretary Benson and other Department of Agriculture officials. Cooley rebuked Benson for having discouraged committee hearings last fall by claiming the soil bank was unacceptable, complex and too expensive.

The argument of most interest to the midwest is expected to center on the administration's proposal to exempt farmers from corn allotments. Instead, corn producers would be eligible for acreage reserve payments to the full extent of any reduction below their base acreage, rather than the lower allotment figure. This would put the starting point for "soil banking" corn land about 13 million acres higher than was originally suggested.

The acreage reserve payment is the one providing the big money. As now drawn, the bill would pay at the rate of the loan support times 50 percent of the so-called "normal" yield of the land actually put in the bank. For central Iowa, this would be about 68 cents per bushel of yield, as determined by the community committeemen.

For banked land, not representing a reduction from the corn base, the payment ("conservation reserve") would be somewhat smaller, perhaps an average of about $15 per acre.

The fight for the administration's corn allotment exemption plan was spearheaded on the senate floor by Hickenlooper of Iowa. He has the backing of the American Farm Bureau Federation.

Congressmen from the wheat country regard these corn acreage modifications as "favoritism" and may prevent their being adopted.

On the other hand, Corn Belt congressmen are expected to oppose a wheat provision under which qualities unsuitable for milling would be supported only at a feed-grain rate. It is felt this might result in channeling considerable wheat to livestock consumption.

Incidentally, Iowa and Wisconsin, along with nine other fringe states, have now been de-classified to the non-commercial wheat area where wheat allotments do not apply.

As a compromise between the corn allotters and the non-allotters, Senator Humphrey of Minnesota asked that the corn acreage base to be used for "soil banking" purposes be set at last year's allotment level, that is, seven million acres under the base proposed by Hickenlooper.

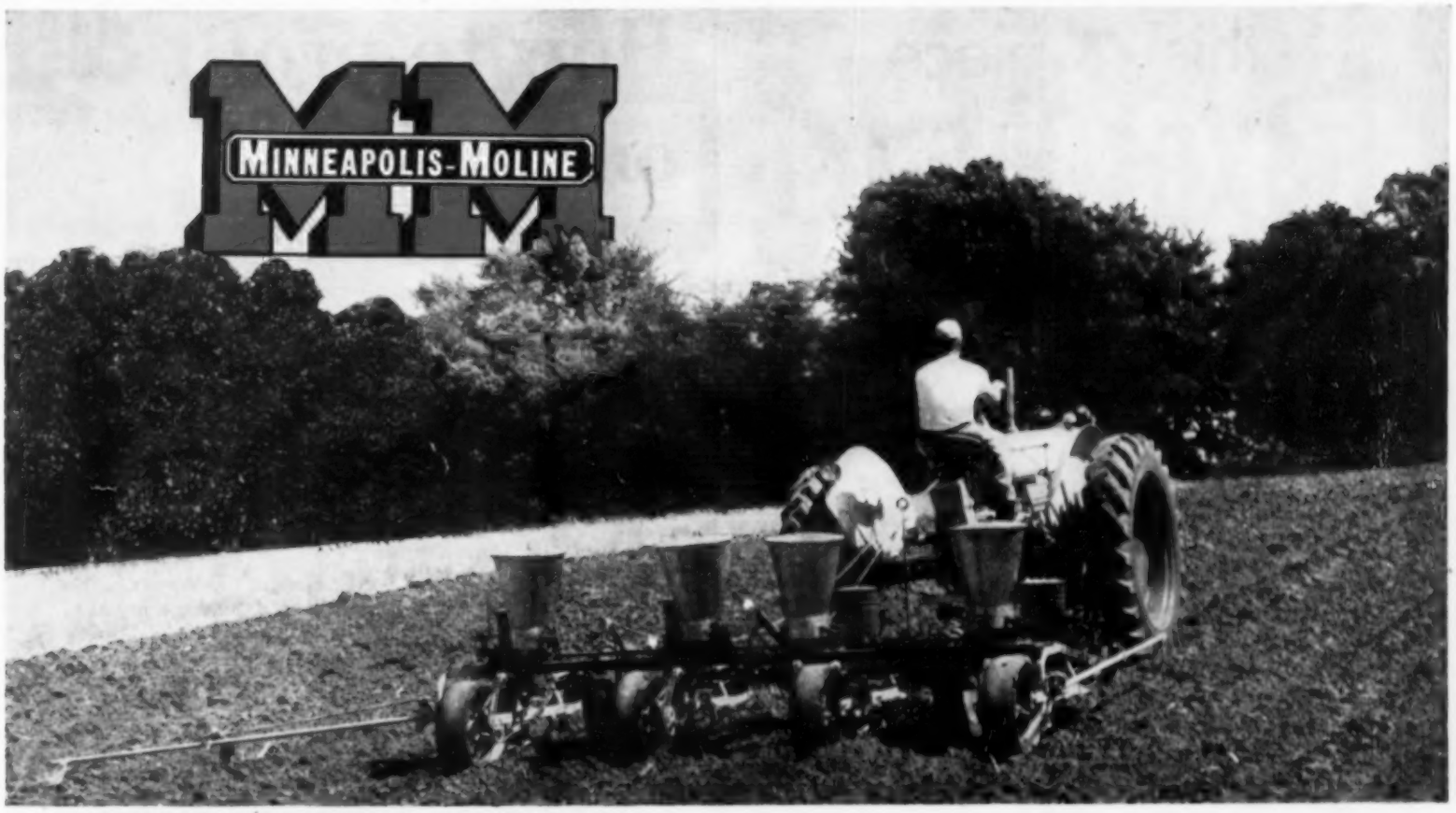
Southern interests are backing the two-price plan for rice. Under this plan, all rice produced would be supported at 55 percent of parity. But producers would receive additional support up to 90 percent on that portion of the crop consumed domestically. Wheat producers are also interested in such a plan, but may not get action in this session of Congress.

Because of the competitive outlook in foreign markets, cotton interests could conceivably also swing to the two-price scheme as a compromise with those who oppose high supports.

When will the farm bill be thru Congress and ready for the President's signature? Washington observers are now guessing not before April 1.

Unfortunately, with legislation thus hanging fire, the Department of Agriculture's annual March 1 survey of spring planting intentions may be of questionable value. Not knowing what the soil bank plan requires, few farmers will be able to report plans with their usual certainty.

Meanwhile, Secretary Benson has announced a continuation of dairy support levels at $3.15 per hundredweight for manufacturing milk and 56.2 cents per pound for butterfat.



PLANT 520 HILLS A MINUTE*...
7,000 TO OVER 20,000 SEEDS PER ACRE!

*130 buttons a minute

PQ-400 *HIGH-SPEED* PLANTER

You can plant an acre in about 7 minutes with the new Minneapolis-Moline PQ-400 Planter. You match seed population to the fertility of your soil to get the most out of every field, then zip from headland to headland at 5 miles per hour hill-drop or checkrow . . . putting in as many as 520 accurately planted hills a minute. Here's how this new planter does it:

Seed plates run continuously—Seed plates on the new PQ-400 don't stop and go between every hill. New, exclusive flexible finger valves make possible continuous-running seed plates. You get high-speed planting at slower seed plate speed . . . gentle handling of seed . . . typical MM precision in seed selection and drop.

Plant 7,000 to over 20,000 seeds per acre—Easy-to-change PQ-400 drive sprockets give you a range of 20 seed plate speeds. Row widths of 36, 38 and 40 inches let you match population to plant food for every acre.

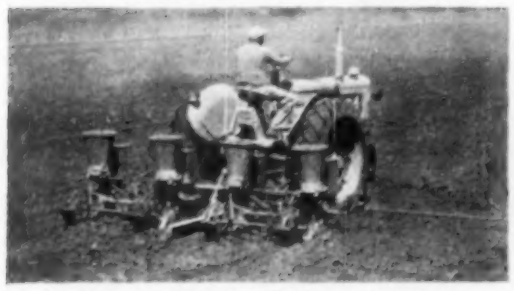
Uniform depth, uniform spacing—Each row-planting unit of the PQ-400 moves up and down independently to follow ground contours. Seeds are dropped, not thrown—you get uniform spacing at the rate you want.

New advantages for faster, better planting—When you see the PQ-400 at your MM Dealer, check off advantages like these: automatic markers, ½ bushel lift-off seed cans, 80-90 pound capacity fertilizer attachments. You pick edge-drop or flat-drop seed plates to plant corn, beans, peas or other seeds, mechanical or hydraulic lift, runner or disc openers.

These are just a few of the many, many new advantages that make the PQ-400 the most advanced planter in the field. Ask your MM Dealer to show you *all* the ways this all new planter can make money for you with lowest-cost planting . . . highest yields! Write for facts today!

SAVE MONEY, MAKE MONEY WITH THESE OUTSTANDING MM PLANTERS . . .

NEW MP-400 PLANTER
Champion accuracy with new MM Planter advantages!



Here's the semi-mounted MM Planter that checkrows, drills, or hill-drops with real champion accuracy. The new MP has the same high-speed flexible finger-valves and continuous-turning seed plates as the PQ-400 plus a built-in stabilizer for uniform depth, direct press wheel drive and automatic level-wind of check wire. Available in 2- and 4-row sizes.

NEW LISTER PLANTER
For mounting on MM Attachor tool bar or 3-point hitches

Here's the new, heavy-duty MM Lister-Planter built to keep pace with today's faster, more powerful tractors. New anti-deflection frames, new dual planter drives, new precision seed can mechanism, a range of 54 seeding rates and far heavier construction throughout put your planting jobs on a new, high-speed time-table. Available in 2- and 4-row models.

FP MOUNTED PLANTER
For MM models UB and ZB tractors —8 machines-in-1!

Mounted FP Planters for MM models UB and ZB tractors give you the machine you need for every planting, fertilizing and cultivating job with the same frame, the same drive, the same parallel linkages, and same beams. You plant or cultivate 2 or 4 rows and apply fertilizer at the same time. Perfect visibility, Uni-Matic hydraulic control and Quick-On—Quick-Off mounting save time, work.

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FROM THIS NEW DES MOINES DIVISION HEADQUARTERS

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Beautiful! Break Resistant! Guaranteed!

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Start your set of this lovely molded dinnerware now! Fashioned of Melmac, it is unbreakable (yet finer than plastic) and guaranteed for two full years against breaking, chipping, cracking. Lassy Dinnerware is smartly styled in fashionable designs and stunning non-fade cinnamon color. Get your full 4-piece setting with each purchase of 500 pounds of Lassy Chicklets (Chick Starter) during the chick season. Simply send $1.00 and 10 coupons found in each bag of Chicklets.

You know, Lassy Chicklets with Safety Factor is the perfectly balanced chick starter that gets your chicks off to a faster start, helps them stay in vigorous health, and develop into better future layers. So, you'll be way ahead, no matter how you look at it. Not only do you get a lovely setting of Lassy Dinnerware, but you insure greater success with your chicks this year by feeding Lassy Chicklets. Offer good from February 15 until May 31, 1956!

EXTRA SERVING PIECES!

Will be made available with other Lassy Poultry feeds throughout the year. Put your birds on the LASSY COMPLETE POULTRY FEEDING PROGRAM and add to your set of beautiful TEXAS WARE!

SCHREIBER MILLS, INC.
ST. JOSEPH, MISSOURI

How to profit on hogs

Swine Day speakers at ISC advocate meat-type hogs, greater efficiency

PRODUCE meat-type hogs—to help pork hold its place in competition with other meats.

And produce more efficiently—so you'll still be showing a profit when today's average hog producers are losing money.

In a nutshell, that was the advice hog growers took home from the annual Swine Day last week at Iowa State College.

Reports on research progress were held to a minimum. Emphasis was placed on the problems of producing pork in a cost-price squeeze.

Dr. L. N. Hazel, of the college staff, urged producers to sell at least part of their hogs on grade and yield basis.

"Half of you probably will lose money at first," Hazel admitted. "But it'll point the way."

Hazel also pointed to use of the backfat probe and breed certification of meat-type animals as useful tools in development of meat-type hogs.

And the boar testing station recently established at Iowa State College was pointed to as another aid in producing the kind of pork consumers want.

To emphasize the need for greater efficiency in the hog business, a broiler producer Leon Johnson, was brought in from Indiana.

Johnson pointed out that the production of broilers—a competitor of pork—has doubled each five years in the last 20 years. And he said the rapid growth of the broiler industry could be attributed to the following: Mass production, fast capital turnover, efficient feed conversion, improved strains of meat birds, better feeds and improved distribution and merchandising.

"Today, one man can raise 80,000 broilers per year," Johnson told the hog farmers. "Can the hog producer take a cue from that one?"

To produce an equal tonnage of meat, the hog producer must market around 1,300 hogs per year, Johnson said.

"There are no restrictions on becoming efficient," the broiler producer declared. Then he added that improved housing and equipment will soon enable one man to produce 160,000 broilers per year. And the hog producer—to produce an equivalent meat tonnage—would have to market almost 3,000 hogs per year.

Profit margins are narrow in the broiler industry, Johnson pointed out. A successful broiler producer must market better than 95 percent of the chicks started, he said. Compare that with the average hog farmer, who markets only about 75 percent of the pigs farrowed, the broiler producer suggested.

Johnson also pointed out that the broiler producer figures on producing a pound of gain with two and one-half pounds of feed. But most hog producers need four pounds or more of feed to produce a pound of gain.

Johnson admitted that the rapid growth of the broiler industry has not been without its pains.

"In 1954," he related, "the broiler industry was over-expanded. And the men were separated from the boys. The inefficient were squeezed out."

The broiler producer indicated that the hog industry might benefit by following the example of the broiler industry—in order to help pork hold its place competitively.

Dr. Damon Catron, of the college staff, pointed to the example set by the broiler industry as he urged hog farmers to "get more efficient."

Make full use of the new research that's available, Catron urged. Efficiency depends on "smart management" combined with "sufficient volume" to hold down your fixed costs per pig, he told hog farmers.

"Smart management," of course, pertains to a long list of topics—everything that's connected with breeding, farrowing, raising and marketing hogs. Among suggestions made by Catron were the following:

Raise meat-type hogs. Control disease. Don't be an "inner and outer."

Practice multiple farrowing—to make full use of housing and equipment, and to spread out your marketings.

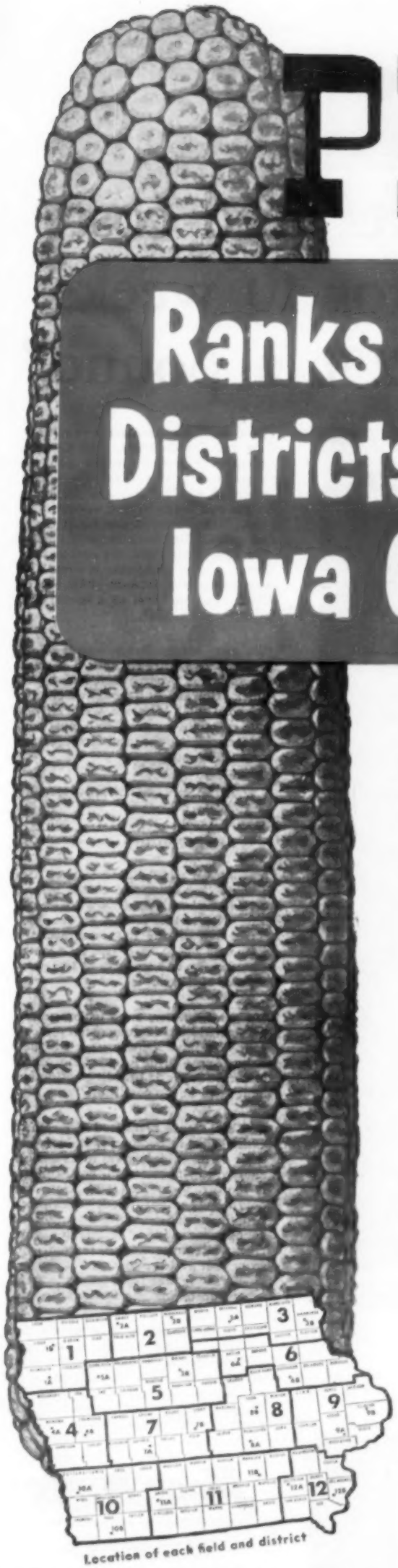
Provide adequate housing and equipment. Use farrowing stalls. Wean pigs earlier. Feed balanced rations—designed to fit the stage of growth your pigs are in. Consider least-cost rations. But don't short change your little pigs at the self feeder.

"Give pigs the best of management and feed from farrowing to 50 pounds," Catron urged. "Economize later."

"Write me a stirring message about the virtue of hard work and personal initiative as the solution to the farmers' problems."

PIONEER

Ranks FIRST in 5 of 12 Districts in Official 1955 Iowa Corn Yield Test



Location of each field and district

45 ORGANIZATIONS ENTERED 293 DIFFERENT HYBRIDS

In the 1955 official Iowa Corn Yield Test, Pioneer hybrids proved their superior yield ability and year-by-year dependability. Among 293 different hybrids entered by 45 seed corn producers, Pioneer corn ranked FIRST in 5 of the 12 Districts into which the official Iowa test divides the state. No other seed corn producer ranked first in more than two districts. This **official** Iowa corn test is conducted by the Iowa Crop Improvement Association and the Agricultural Experiment Station of Iowa State College. Results are published in Bulletin P-120 available from the college.

PIONEER FIRST IN 10 OF 19 "PERIOD-OF-YEARS" AVERAGES

TWO YEAR AVERAGES. Pioneer hybrids rank **first in 5 of 10 districts** where 2-year averages are reported. No other seed corn producer ranked first in more than one district.

THREE YEAR AVERAGES. Pioneer hybrids rank **first in 5 of 9 districts** where 3-year averages are reported. No other seed corn producer ranked first in more than one district.

PIONEER RECORDS BY DISTRICTS

3-Year Average	2-Year Average	1955 Results
DISTRICT 1		
1st - 352	1st - 371	6th - 352
2nd - 349	2nd - 349	
4th - 371	3rd - 352	
DISTRICT 2		
(No 2- or 3-Year Averages Reported)		
DISTRICT 3		
1st - 371	1st - 371	1st - 371
2nd - 352	3rd - 352	4th - 383
3rd - 344	5th - 344	
4th - 347		
DISTRICT 4		
3rd - 345		2nd - 345
6th - 301		3rd - 329
DISTRICT 5		
2nd - 354	2nd - 354	1st - 345
4th - 352	3rd - 371	2nd - 352
	5th - 352	4th - 329
DISTRICT 6		
1st - 354	2nd - 354	4th - 371
3rd - 352	5th - 371	5th - 354
5th - 347		
DISTRICT 7		
1st - 301	1st - 301	1st - 301
3rd - 335	5th - 335	
4th - 345		
5th - 354		
DISTRICT 8		
(No 2- or 3-Year Averages Reported)		
DISTRICT 9		
5th - 301-B	3rd - 301	1st - 345
6th - 301		
DISTRICT 10		
(No 3-Year average reported)	1st - 301-B	
	6th - 301	
DISTRICT 11		
1st - 301	1st - 301-B	1st - 329
2nd - 301-B	5th - 301	4th - X-8368
DISTRICT 12		
4th - 301		6th - 301-C
6th - 301-C		

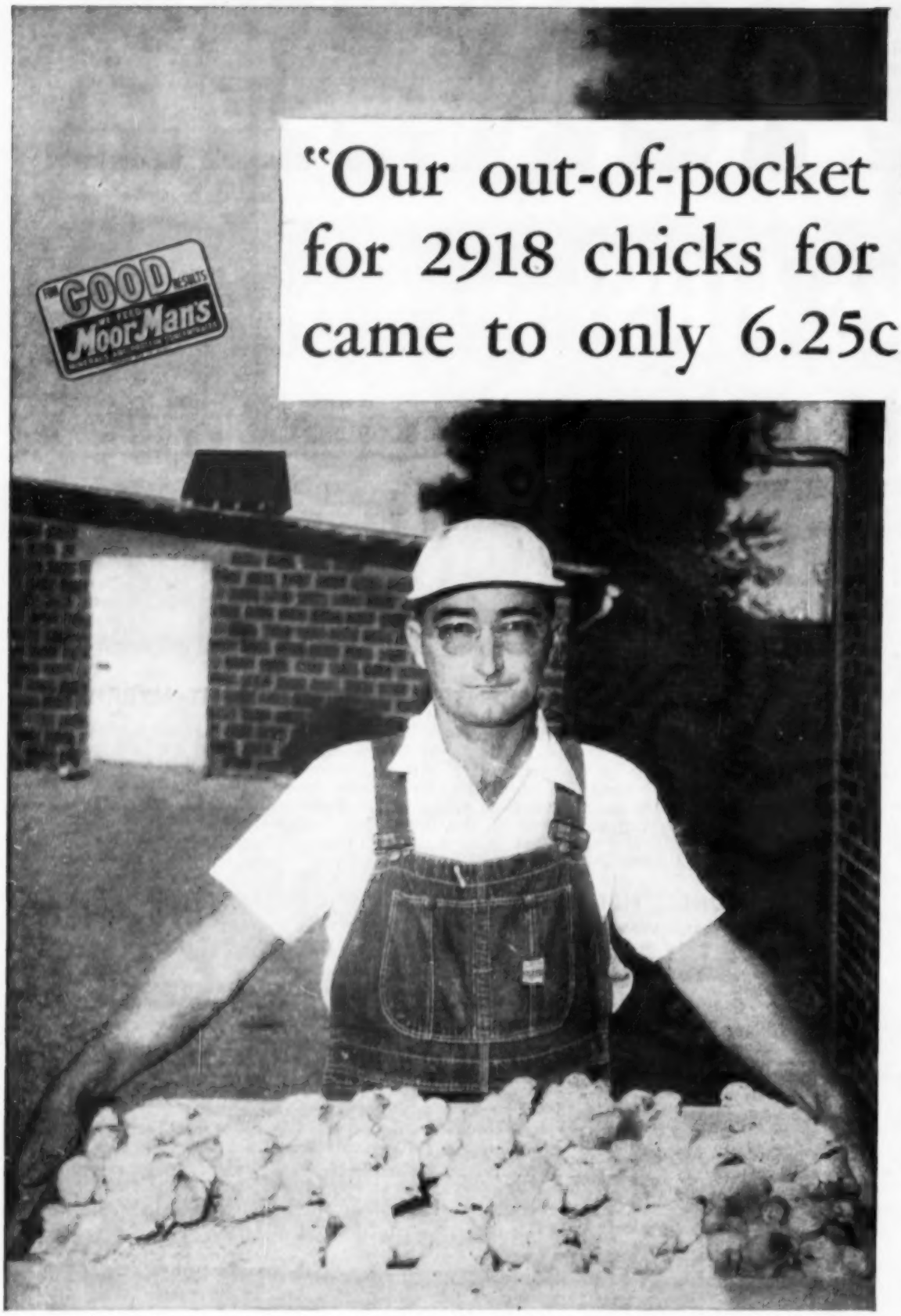
ADDED PROOF OF PIONEER DEPENDABILITY

So, here's added official proof that Pioneer corn is your best bet for dependability and top yields per acre in 1956. This year, make every corn acre count . . . plant your corn acreage to Pioneer and reap the most in corn growing satisfaction and profit. See or phone your local Pioneer salesman.

PIONEER HYBRIDS

This Year Make Every Corn Acre Count—Plant

"Our out-of-pocket feed cost for 2918 chicks for 10 weeks came to only 6.25c a pound"



Gale Evans is the sort of farmer MoorMan's are happy to have among its customers. He has found the business of marketing 60,000 broilers each year requires careful advance planning. We are proud to credit him with excellent management at every stage of the operation. Complete utilization of a maximum amount of his own home grown feeds and accurate records of feed cost are "musts" with Gale, and his father.

"We raise 60,000 broilers a year," say Gale and Claude Evans, Pike County, Indiana. "Eighteen months ago we started feeding MoorMan's CoxiCurb* Mintrate* for Starting and Growing Chicks and we're having excellent results. With Mintrate our birds make fast gains. They keep in good health. And, most important, the cost to produce a pound of broiler is low. The way we figure it out each 50-lb. bag of Chick Mintrate gives us a bonus of 5 extra lbs. of broiler.

"We raise our broilers in broods of approximately 3,000 birds each. The starting ration is 2 parts corn and 1 part Chick Mintrate. At 8 weeks we change to 3 corn and 1 Mintrate. We grind our own corn in a burr mill to a meal consistency. Here's the total feed used for a recent brood.

17,200 lbs. corn @ $1.29 bu...	$395.60
7,400 lbs. Mintrate @ $8.00 cwt.....	592.00
Total feed cost.....	$987.60

"When we sold the 2918 birds at 10 weeks they averaged 3.24 lbs. each. That gave us a total of 9,478 lbs. meat for $987.60 total feed . . an average feed cost of only 10.41c per pound. We used 24,600 lbs. of feed for a conversion rate of 2.6 pounds of feed per pound of chicken.

"To get healthier, more uniform chicks we started hatching our own eggs this year. We have a laying flock of 800 Arbor Acres White Rocks. MoorMan's Mintrate Super 5* breeding ration has kept them in top condition."

Gale and Claude Evans feed MoorMan's Chick Mintrate because, combined with their own grain, it gives them a high-energy, low-fiber ration. For Mintrate is more than a "feed." Mintrate is a completely mineralized, vitaminized protein concentrate with an antibiotic supplement added. It enables your chicks to extract more of the nutrients from your good yellow corn . . . pushes chicks along fast right from the start, where most economical gains are made.

Ask your MoorMan Man about the low-cost, thrift-producing rations you can build with your own yellow corn and Mintrate. If he doesn't call soon you can get complete details by dropping a postcard to Moorman Mfg. Co., Dept. S63, Quincy, Illinois.

Why Chick Mintrate makes more chicken on less feed at low cost!

1. You BUY only ⅓ of your chick starter—you RAISE the rest.
2. Your corn and Chick Mintrate make the highest-energy, lowest-fiber chick starter procurable.
3. Chick Mintrate helps you get more feed value from YOUR own grain.
4. Chick Mintrate contains an ingredient to help prevent death loss from coccidiosis.
5. Chick Mintrate contains a supplement with high antibiotic activity.
6. Chick Mintrate supplies Vitamins A, D and the B Vitamins; also contains Vitamin K to protect birds against possible hemorrhagic conditions.
7. Thousands of flock owners have proved Chick Mintrate's efficiency.
8. An easy-to-use concentrate. Combining corn and Mintrate is simple, easy.

MoorMan's*

Since 1885—71 years of Friendly Service

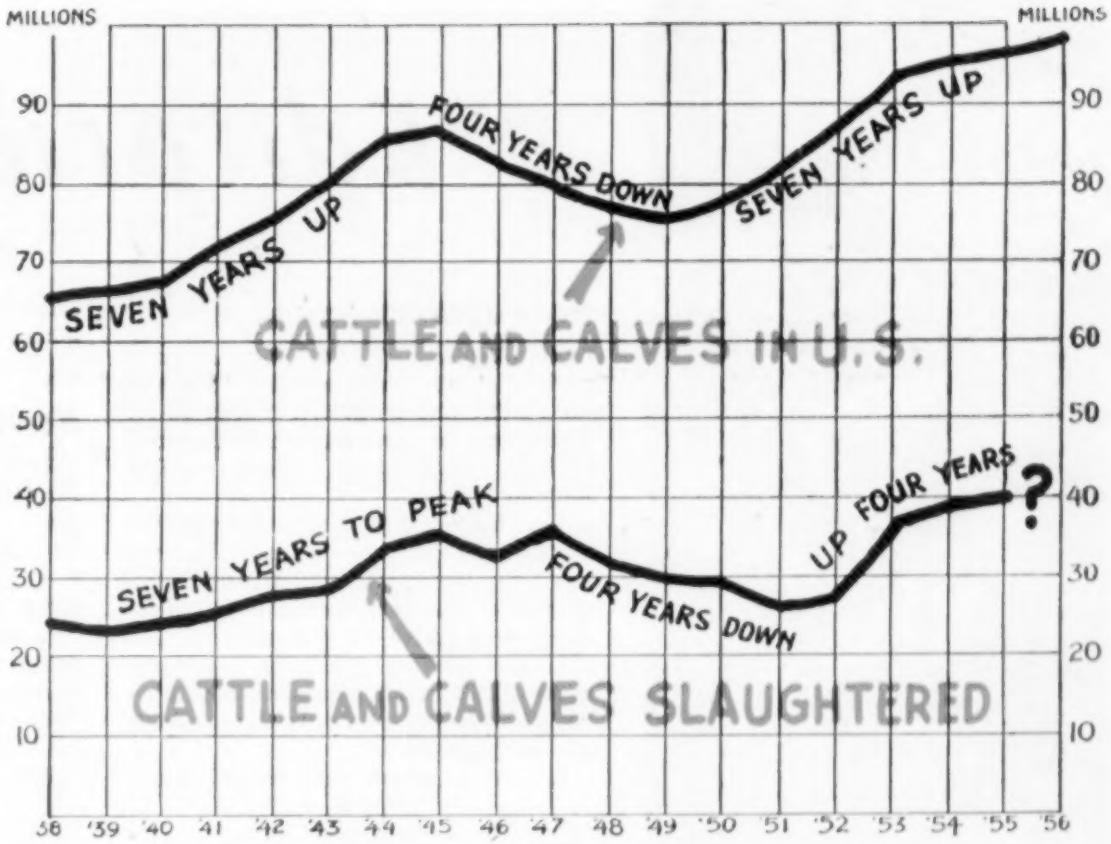
COXICURB CHICK MINTRATE

—one of 10 mineralized protein and vitamin concentrates that helps livestock and poultry make better use of home-grown feeds.

* Trademark Reg. U.S. Pat. Off.

***Upper** line on chart shows total cattle and calves in U. S. each year since 1938. Note the period of 11 or 12 years from peak to peak in numbers. And that we now have a total of 97.5 million head which is a record high.

***Lower** line shows slaughter totals each year since 1938. Notice that slaughter goes up and down same as the changes in the cattle numbers cycle. But top of the slaughter cycle comes about two years after cattle numbers hit the top. If this repeats, cattlemen are not over the hill as far as big supplies are concerned.



Cattle and calves at all-time high

Most of gain in steers...feeders to be plentiful

IMPORTANT points for farmers and cattlemen from the annual January 1 Livestock Census are these:

1. Cattle numbers in the U. S. reached an all-time high on January 1 at 97.5 million head. Increase was almost one percent over a year before.

2. Beef cattle producers made all of the increase in cattle numbers. Beef cattle went up 2.2 percent while milk stock went down 1.4 percent.

3. Kind of beef cattle that increased most was steers one to two years old. They increased 14.2 percent. Calves were next with a 1.7 percent increase.

4. Beef cows increased only slightly but reached an all-time high total. That means another big calf crop this year.

5. All signs point to a big offering of feeder cattle this fall from the holdover of steers and calves, and from the new calf crop.

6. Heavy slaughter of cattle and calves is indicated for at least two years ahead.

Now let's look more closely at the changes in the nation's cattle herd. Here are one year's changes in beef cattle, dairy cattle and all cattle.

	Millions			
	'55	'56	Change	
Beef cattle	61.2	62.6	up	2.2%
Milk stock	35.4	34.9	down	1.4%
All cattle	96.6	97.5	up	0.9%

When these groups are broken down, you'll find classes of cattle changed this way:

Milk cows and heifers two years old or older went down six-tenths of one percent. Heifer calves for milk also decreased less than one percent. But heifers one to two years old kept for milk went down five percent.

Beef cattle changes were more variable. But all classes went up in numbers except heifers one to two years old.

Here are the totals and percent of change for classes of beef cattle. Note that steers and heifers include only one to two-year olds.

	Millions			
	'55	'56	Change	
Beef cows	25.7	25.8	up	0.4%
Heifers	6.5	6.3	down	3.4%
Steers	8.4	9.6	up	14.2%
Calves	18.8	19.1	up	1.7%

The reduction in beef heifers shown probably reflects the big number of heifers fattened for market last year.

The remarkable change, of course, is the 14.2 percent increase in steers one to two years old. Also to be noted is the moderate increase in calves. From these two groups will come the feeder stock to be offered this fall.

Now in what state or region did cattle numbers change in the last year? Let's take all cattle first.

Cattlemen in the eastern Corn Belt states and in the western states added most to the total cattle herd. Increase for each area was two percent.

Cattle numbers were cut most in states along the Atlantic coast. North Atlantic states cut two percent; South Atlantic one percent.

In the western Corn Belt, Nebraska farmers reduced cattle five percent. Kansas farmers reduced one percent.

Iowa farmers increased the total cattle herd one percent. In Minnesota, the increase was two percent; Missouri and Illinois, three percent; South Dakota, two percent and North Dakota, eight percent.

Those state and regional changes are for all kinds of cattle taken together. Let's look at some state and regional changes in milk stock and steers.

Contrary to the general down trend, milk stock increased in Minnesota and Wisconsin. Iowa farmers made very little change in cows and heifers kept for milk.

The one-seventh increase in steers is pretty well scattered over the country. Some of them are in the Corn Belt and may already be in feedlots.

But there's a 10 percent increase over last year in western states. The big feeder cattle producing states of Montana, Wyoming and Colorado together had 16 percent more steers January 1 than they had one year before.

Now let's look at the long-term meaning of the cattle numbers increase. See the chart at the top of this page.

Cattle numbers have been going up for seven years. So we're probably at or near the top of the production cycle. The up-trend has not usually continued longer than seven years.

If we're at the top what can be expected in the years ahead?

Heavy slaughter of cattle and calves for a few years. Notice on the lower line of the chart that the peak of the slaughter cycle comes about two years after the production peak. It has usually happened that way after other peaks.

Important point is this: Cattlemen are not over the hill as far as big supplies of cattle and beef are concerned. Pastures, ranges and feedlots are loaded with cattle and calves.

Creep feeder

Leonard Jensen of Pocahontas county, Iowa, fills the pig feeders for four-week-old weanlings. Jensen uses creeps to maintain fast growth. "Only pig that ever makes you any money is a good-doer," he declares.

Editorials...

Hoop Tourney to You

YOU BASKETBALL fans, be sure your radio and television sets are in shape for Friday and Saturday, March 16-17. Those are the dates for the final games in Iowa boys' state tourney at Des Moines.

For the pleasure of farm people who can't attend in person, Wallaces' Farmer and Iowa Homestead will stand the expense for telecasting the Saturday night finals over KRNT-TV (Channel 8). We also are backing the radio broadcast over KRNT of all games on both Friday afternoon and Saturday. (See schedule on page 28.)

Last year, as our readers will recall, publisher Richard Pierce made it possible for basketball fans to see the finals of the state girls' tourney.

Heart Not In It

EARL BUTZ, Benson's assistant secretary of agriculture, has admitted to Congress that "at heart" he is opposed to all federal controls in farm programs.

This is an alarming confession from a top official who may share responsibility for administering the expected new farm program. Farmers, and especially community committeemen, will rightly ask: "How can we expect such a man to furnish the leadership we will need for satisfactory program compliance?"

No Limit on Corn

SENATOR Hickenlooper of Iowa is heading a drive to drop corn acreage allotments from the new farm bill.

Under his proposal, farmers could get support loans without observing any acre limits whatsoever. And to get the higher-level ("acreage reserve") payments for soil banking, they would reduce from their corn base, instead of from their '56 allotment.

What would a farmer get for complying with such a program? First, he would be eligible for a corn loan 18 cents per bushel lower than last year, slightly lower rates on barley and oats, and a new bean loan 11 cents higher.

Second, he would receive some payment for each "banked" acre, altho in his February 16 statement to Congress, Hickenlooper did not specify the amount.

Would such a program give us the two things we need: A genuine adjustment in output and a significant increase in farm income?

Much depends on the rental payments. And on the fertility of the land retired. All this needs to be carefully appraised.

It could work out that farmers would be farther ahead if we kept corn allotments, put the corn loan back to 90 percent parity to induce maximum compliance and paid really substantial rates for the acres taken out of corn.

It would help compliance and income still more to provide supplemental payments on hogs, but congressional and administration acceptance of such provisions now look rather hopeless.

Can we be coaxed?

1956 farm program will fail without wide participation

WITH spring seeding so near, I'm wondering like everybody else if we really will have a farm program in 1956.

But the matter of whether there'll be a program at all doesn't bother me any more than the question of compliance in case we do have one.

The question keeps arising: Are we really ready in our minds to accept crop adjustment? Even with reasonably liberal incentives.

I ask this because in traveling around, I hear remarks that disturb me.

"I'm not the one who helped create the surplus," a long-time friend states. "It's those birds over in the next section who piled on fertilizer and jumped from 20 sows a year to a hundred."

Another friend says: "I haven't caused any of the pile-up. I feed all my grain."

Can we meet such arguments? I have a feeling that they must be met, very convincingly, if the adjustment program is not to be a terrible failure.

Maybe there is a way to debate with the fellow who feeds all his grain. Remind him of the last time you met with hogs or cattle at the stockyards, on a day when heavy receipts (including his) had broken the price. Say you found it difficult that day to regard his livestock as any less surplus than your own.

In reply, tho, he may argue that if he cuts feed output, then he won't have enough to handle his livestock program. You'd have to grant that this might be true. But add that if, along with crop adjustment, there is not also some reduction in livestock operations, then livestock prices can never improve. Crop adjustment must induce some cutdown in livestock, if not in his case, then at least in a sufficient number of others.

Then there is the man who hates to change his farming plans because he has lots of equipment and won't feel right unless he keeps it busy. Ask him, "Why do it? If you can make about as much money by cooperating in the program, why not take it easier? Do a little figuring. Life is shorter than you think."

One has more difficulty in answering the man who right along has kept his crop and livestock program at moderate levels. If he also is on a small to medium-size farm, having a hard time making ends meet, you'd better know exactly what the program offers before starting to talk.

We can only assume—in fact, we must insist—that the program offer incentives of sufficient size to reward the small farmer proportionately as much as anyone else.

That is, it must be clear that for coming in, he willl be better off, even with his small acreage, than if he had stayed out. Community committees will need to go just as far as they can on allotments and yield estimates to make it attractive for such a man to comply.

But there is something beyond the money that will be needed, too, if the program is to succeed. In the past, too many people have worked overtime figuring out ways to get just as much feed as ever from the reduced acreage. Sometimes they reasoned that this was almost a duty because they were "efficient" operators.

Can we keep in mind this time that if we do it, we'll only be hurting ourselves in the long run? Or if not ourselves, then some other conscientious fellow on down the road.

Maybe this is the year to decide a few things partly with the heart as well as the sharpened pencil.

Art Thompson.

Morse Wants It Cheap

IN A SPEECH before the Tennessee Livestock Association on February 15, Undersecretary of Agriculture True Morse said:

"Do your farmers want their principal feed grain, corn, supported at 100 percent of parity? Or do farmers want feed grains at a level that will allow them to adjust with livestock, dairy and poultry prices—so that all farmers can prosper together?

"Which farmers should be given special treatment—those who sell corn or their neighboring farmers who buy corn?"

Morse made this speech to stimulate opposition to the provision in the Senate farm bill which would restore corn to 90 percent of original parity (or 100 percent of modernized parity).

But in doing so, he also slandered the motives of midwest farmers and misled the Tennesseeans on the end result of low-priced corn.

Corn is not low-priced unless there is too much of it. And when there is too much of it, there soon is more livestock feeding—not only in Tennessee, but everywhere else. Everybody knows what then follows.

Midwest farmers today are interested in adequate corn supports, not as a matter of "special treatment" but rather as a means of ensuring really effective production adjustment in 1956.

Spring repairs—Stan Mathews of Henry county, Iowa, uses his welding torch to get a disk ready for the 1956 crop.

Odds and Ends . . .

. . . CHEMISTS in India have developed a milk substitute from peanuts which is said to be about 80 percent as efficient as reconstituted whole milk.

. . . PORK purchased by the U. S. Department of Agriculture is now being distributed to needy adults as well as to school children.

. . . TRUCKERS are asking the Interstate Commerce Commission for an increase of seven percent in rates and charges, the same hike also requested by the railroads. Secretary Benson has asked that any such increase, if granted, be suspended on agricultural commodities, farm supplies, fish and fishery products.

. . . DEFINITION of a farmer: A man who rises at 5:30 a.m. and hurries to finish work by 9:30 p.m. so he can read his farm paper to learn how to make more money thru more intensive farming.

. . . COOKED FOODS stored in cans or glass containers successfully withstood exposure to test atomic explosion in May, 1955, at a distance of 3,750 feet or more from the center of the blast.

. . . LET FARMERS graze off "retired" acres under the soil bank plan, says Dave Garst of Carroll county, Iowa. But protect them against the effects of larger livestock output, by paying them one-half of any difference between the free market price and parity.

. . . RUSSIA is swinging from mere acreage expansion to greater improvement in quality and yield per acre, says the International Federation of Agricultural Producers. Under the new Five Year Plan, production of fertilizers and mechanical equipment will also be increased.

. . . AS A RESULT of heavy hog marketings, the American people in 1955 ate six more pounds of pork per capita than they did in 1954. But George Teachout of Shenandoah, Iowa, asks: "Was it worthwhile to take a drop of $5 per hundredweight in the price of hogs to get this consumption increase?"

. . . THE JAPANESE, our best customers at present for soybeans, complain that their imports from the U. S. sometimes contain too much foreign material and green color. Objectionable foreign material consists of morning glory seeds, soybean stems, corn and cockleburs. Why do the Japanese object? They use the beans for human food, and they appreciate high quality.

Song of the Lazy Farmer

WITH all the talk around these days 'bout how we've got to find new ways to cut production down, by heck, and get the surplus off our neck, I sometimes get the strangest fears that I have misplaced 30 years. If it were not that mirrors show my thinning hair is white as snow, if rheumatism didn't make my knee joints creak and poor back ache, and if Mirandy, plain to see, weren't uglier than she used to be, I'd swear that time had stopped its flight and we'd gone backward overnight to pre-depression days when we began our search for parity.

'Twas clear back then that I first sent a letter to the government reporting that I had a scheme for making surpluses a dream. My plan would have each farmer stay in bed until nine ev'ry day; no one would work from noon 'til three, and after five we'd all be free to do whatever we might wish; three days a week we'd hunt or fish and Saturdays we'd all shut down to argue politics in town. That way we'd be producing less and thus avoid a surplus mess; this system's worked for me, by jing, I don't grow much of anything.

Put on all the fertilizer you need to get average yields. Most cuts should come in the heavy application for bumper yields. Shown is Don Kilger of Bremer county, Iowa.

Cut down on fertilizer?

For most farmers, this is not the time to cut too deep into use of fertilizer. Here are places not to cut

DO SOME mighty careful figuring before you cut back on fertilizer.

Sure, a cut back is in order in some cases. Low farm prices and a shortage of subsoil moisture see to that.

But these cases are relatively few. For most Corn Belt farmers, skimping on plant food may mean a further cut in profits.

Best advice is go ahead and use the fertilizer needed to get average yields. But don't shoot much higher than that without good subsoil moisture.

Here are some of the safest bets for a good return from fertilizer:

Give oats—or other small grains—all the plant food they need.

Drouth seldom hits before mid-July—the time when oats are harvested. So you can count on plenty of moisture for oats. And fertilizer helps them make efficient use of it.

Be sure not to load oats down with excess nitrogen, tho. Lodged oats can be hard on a new seeding.

A new seeding makes its start ahead of drouth periods, too. So give it the full treatment.

Phosphate and potash, perhaps even nitrogen, push young plants toward vigorous early growth and a bigger root system.

This can't guarantee a stand if midsummer drouth gets too severe. But it does put the seeding in shape to stand longer periods of drouth. If rains are favorable, it helps insure a good stand.

It adds up to this: Chances with fertilizer are much better—so much that you can't afford to skip the application.

However, you can hedge a bit if you feel drouth is too much of a threat. Apply only a small starter application of fertilizer at seeding time. Later on when a stand is assured, you can top dress with the rest of the fertilizer needed.

Starter fertilizer applied with a planter attachment for corn is another good bet. It hurries corn off early on the way to higher yields.

Oliver Hansen of Franklin county, Iowa, holds definite views on this:

He says: "I'm going to stick with starter fertilizer in spite of low prices and dry subsoil."

Why? He figures like this: "It pays well at least four years out of five. Sometimes, I get as much as 15 to 20 bushels of corn for only four dollars worth of fertilizer.

"I can't afford to even take a chance that this might be the 'fifth' year when it doesn't pay."

Starter fertilizer gets a vote of confidence from most of the experts, too.

One reason is the faster start for healthy plants. And just as important this year, starter may be able to balance plant food at a level which will give average yields.

Five pounds of nitrogen, 20 pounds of phosphate and 20 pounds of potash are regarded as a sort of top limit on the amount of plant food that should be applied to the hill or row. Too much fertilizer near the hill or row can cut germination.

If starter application can't supply enough, then make a heavier application ahead of planting.

This is pretty safe for phosphate and potash. A good share of the plant food will stay in the soil even if dry weather puts a lid on yields.

Extra nitrogen can go ahead of planting, too. But side dressing offers some extra advantage this year.

It usually goes on at first or second cultivation. If moisture supply has improved by that time, you can "shoot the works." Or if it is still dry, you can cut the rate to fit weather prospects.

Most of the cut in fertilizer application this year should come in these heavier applications—particularly those that have been aimed at bumper yields.

This isn't the year to go all out if you want to keep cash expenses trimmed to the bone.

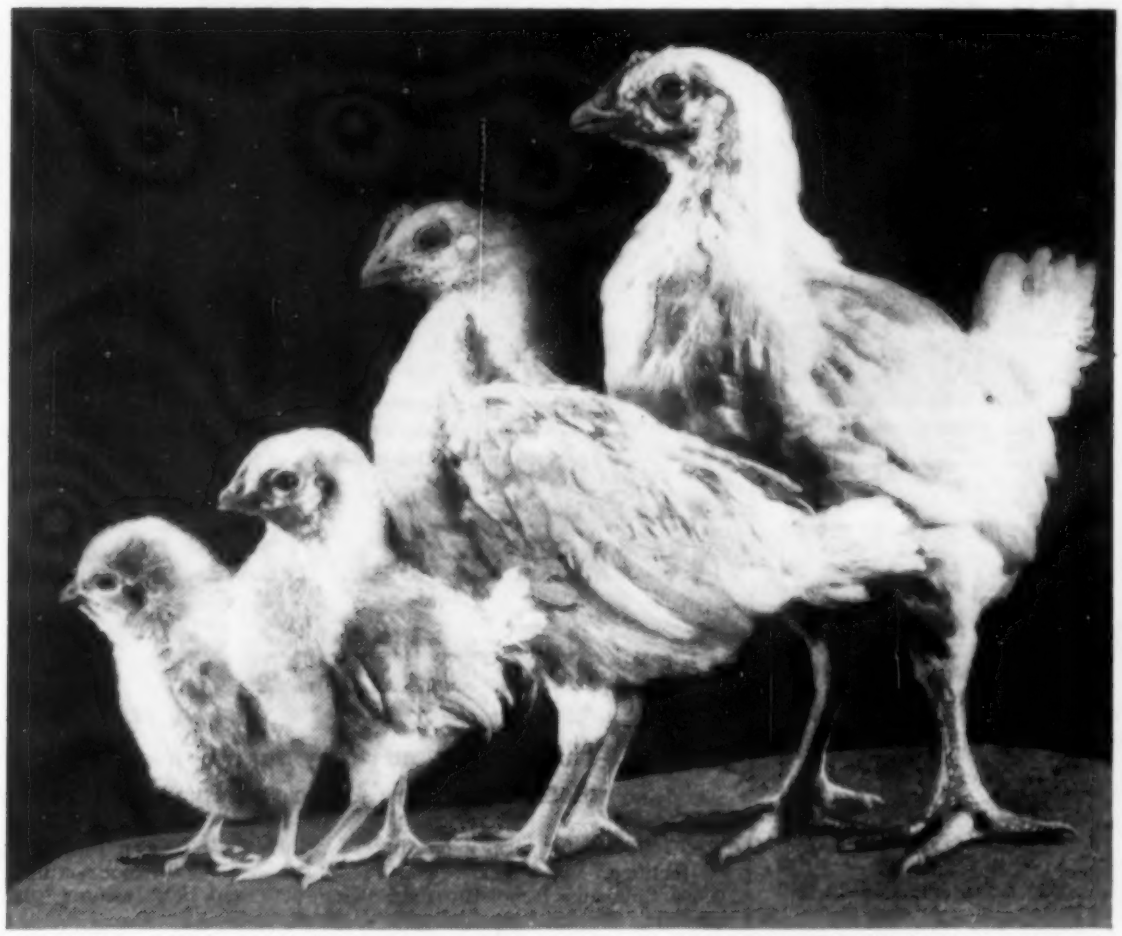
Frank L. Cooper of Schuyler county, Mo., figures that way.

He says, "I've carried a heavy fertilizer program over a period of years. The phosphate and potash level of my soil should be high enough to turn out even better than average yields.

"But I still want some extra nitrogen on my corn. Plenty of nitrogen helps—even in a dry year."

For more information on where you can cut back on fertilizer use without trimming profits, see the article on page 16.

by **Al Bull**



Actual photo of Leghorn chick fed two pounds of new Purina Super Startena. She grew this big in just 34 days!

New super feed gives chicks FASTER START

Thousands of alert poultry raisers have already started their chicks on Purina's new Super Startena. Their results are much the same as those at the Purina Research Farm. There, thousands of chicks in many different tests have averaged 5.6% bigger than ever before on Startena. And they took 7.4% less feed per pound of gain.

Poultry raisers feeding this improved starter tell us they are getting the biggest chicks they have ever raised on only 2 pounds of Super Startena per light breed chick, 3 pounds per heavy. This spells super economy. Most feeds recommend 3 to 4 pounds of starter or more before chicks are ready for the growing ration.

Super vigor is another advantage of the new 1956 Purina Startena. Growers are even telling us about the brighter shanks, perkier red combs, and fast, smooth feathering.

Super Startena can also be ordered with a built-in coccidiosis control. It's the best control ever tested by the Purina Laboratories, to help protect chicks from the worst of all chick diseases.

If you are now making plans to start chicks, benefit by the experience of the folks who are already feeding Purina Super Startena. Talk to them about their chicks. Better yet, go over and take a look. You'll be truly amazed at the size and vigor your neighbors are getting with chicks started on only 2 to 3 pounds of Super Startena.

What Makes It So Good?

Less fiber, more energy, better protein sources, and a very high level of health-giving vitamins and minerals — these are just a few of the recent adjustments in Startena. All ingredients are Micro-Mixed for complete distribution of even the tiniest amounts. Of course, there are several other formula changes that are responsible for the new Super Startena. These are necessarily closely guarded secrets.

See your Purina Dealer with the red and white Checkerboard Sign. Get your 1956 Super Startena and watch those chicks live and grow. You'll be glad you did.

97.3% LIVABILITY ON TWO MILLION CHICKS

The 11,198 poultry raisers who turned records in last year averaged 97.3% livability on their chicks. These folks raised 2,364,891 chicks on Startena, which is now even better than ever.

They did something more. They followed the Purina Sanitation Plan — sanitized the whole house, feeders, and founts with Purina Disinfectant before putting in chicks. And most of them kept Chek-R-Tabs in the drinking water for the first month, to cut down spread of disease germs.

25¢ DISCOUNT . . . This spring your Purina Dealer wants you to try these chick-saving health aids. Just cut out this ad and take it to him. He'll give you a 25¢ discount on the two of them purchased together. Ask your Purina Dealer about chicks, feeders, founts — all your chick starting needs. Tear this ad out now, before you forget it, since the 25¢ discount expires July 1, 1956. Void where restricted. Cash value, 1/10 cent.

We Invite You to See a Big, Full Hour of

GRAND OLE OPRY plus

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In the Old Country Schoolhouse

on Television

With Purina's guest stars, Joni James and the Junior Briarhoppers, plus many of your favorite Opry stars—Roy Acuff, Minnie Pearl, Rod Brasfield, June Carter and Jimmy Dickens. Check below for the date and channel in your town.

TOWN	CHANNEL
MARCH 3	
Ottumwa	3
Cedar Rapids	9
Des Moines	5
Minneapolis	11
MARCH 10	
Mason City	3
Rochester	10
MARCH 11	
Davenport	6
Quincy	7
MARCH 18	
Fargo	6
MARCH 20	
Sioux City	4
MARCH 21	
Springfield	20
MARCH 24	
Harrisburg	22

New SUPER Line of Laying Chows

Purina has a complete new line of Super Laying Chows, formulated to help top poultry raisers get more eggs per bag of feed. Super Layena, Super Cage Layena, and Super Lay Chow contain added productive energy, protein, and vitamins. In the East, where the new Super Chows were field tested, many poultry raisers with top-producing hens lowered their feed cost by 2¢ to 4¢ per dozen eggs.

Purina Folks Are Home Folks

IN IOWA there are 2 Purina mills, located at Iowa Falls and Davenport. These mills employ 297 people. There are 259 Purina dealers who operate their business in the area, and 24 Purina sales representatives make Iowa their home.

PURINA CHOWS

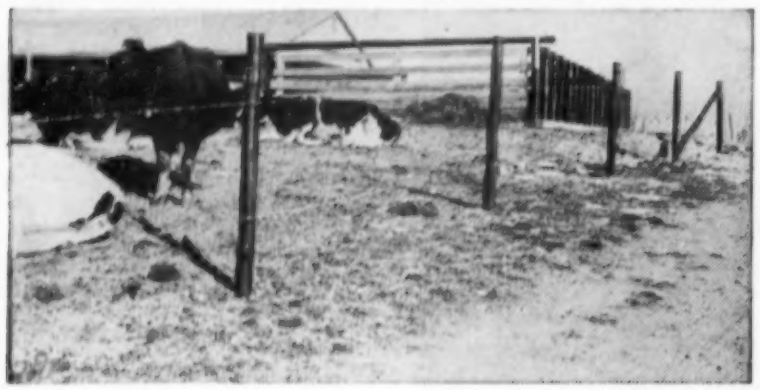
SERVING ANIMAL AGRICULTURE

"I found out the hard way that Pressure-Creosoted Fence Posts Really Last,"

SAYS ROY MASON,
MANAGER
TWIN GAP FARM, MT. BETHEL, PA.

Roy Mason, Manager of Twin Gap Farm at Mt. Bethel, Pa. This beautiful, efficient farm is owned by Fred Thomases of Englewood, New Jersey.

Some of the prize-winning, pure-bred Holstein herd take their ease in one of the many pastures on the Twin Gap Farm. More than 700 pressure-creosoted fence posts are in use on this farm.



● "We selected pressure-creosoted fence posts because of their long life and the fact that there's practically no upkeep," continues Roy Mason. "On the last farm I managed we put in untreated fence posts. In 6 years they were so badly rotted we had to pull the whole thing out. The only part that remained standing in good shape were the corner posts. They were made of pressure-creosoted wood. That's where I got a practical lesson in the durability of pressure-creosoted posts. In a couple of months I expect to buy a little farm of my own—and any fence posts I put up on *my* farm are going to be pressure-creosoted."

MORE INFORMATION ON PRESSURE-CREOSOTED FENCE POSTS!

To get the complete story on fence posts and on pressure-treatment with USS CREOSOTE, send for these two free folders . . . "Fence Planning Saves" and "Fences That Pay." In addition to pointing out the advantages of using pressure-creosoted fence posts, these two folders also tell you exactly how to go about planning and erecting a good fence that keeps your livestock and cattle right where they belong and also adds to the appearance and value of your farm. Send for your free folders today. Use the convenient coupon.

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UNITED STATES STEEL

Shortage of subsoil moisture makes a cut in some heavy fertilizer applications look wise this year. Shown is Archie Barton of Randolph county, Mo.

Where to cut on fertilizer

This year it may pay to use less fertilizer than usual. Here's where you may want to cut

FOR SOME farmers, a cut in fertilizer use makes good sense. Low subsoil moisture over most of the state is likely to clamp a ceiling on yields well below the bumper level.

So take an inventory of your fertility "bank." You may be able to make full use of available moisture with less fertilizer.

Check over these points for ideas on where you might cut:

Green manure crops supply nitrogen. Figure 60 to 90 pounds per acre if you plowed under a heavy growth from a good stand of legumes. But drop that to 30 to 50 pounds for an average growth and stand.

This may let you skip a nitrogen application where corn follows a legume.

Most folks have already figured this. And even in good moisture years, they cut nitrogen rates on legume sod.

Manure furnishes plant food, too. Eight tons per acre can add about 80 pounds of nitrogen, 40 pounds of available phosphate and 80 pounds of potash.

"Count on only about half the nitrogen and phosphate becoming available the first year," warns W. F. Bennett, Iowa State College agronomist.

Still, manure plus hill or row fertilizer will take corn up to average yields on many soils.

Carryover from fertilizer applied last year may let you make a further saving.

Ivan Peterson is figuring that way. Last year, he spent about $1,200 for fertilizer on his 240 acres in Adair county, Mo. Each year, he covers 40 to 60 acres with a heavy coating of manure.

He says, "I have a 16-year record of crop yields and soil treatments for each field. There's been a steady build up of fertility with manure, phosphate and a good rotation.

"So I feel I can cut back on fertilizer without hurting yields much. At least for a year or so."

"That doesn't mean I'm going all the way. I still want fertilizer on oats and new seeding," he points out.

Suppose you put on 40 or more pounds of nitrogen for corn, last year. Even under normal conditions, you'd expect 15 to 35 percent of that to still be in the soil. Sandy soils are the exception, of course. Count on very little carryover there.

Where dry weather cut yields short, the carryover may be higher. At least use a figure in the higher part of the range.

With higher rates of application, you'd expect a higher percentage of carryover, too.

Potash applied for corn usually carries over in the 30 to 60 percent range.

Phosphates are less soluble. So count on a 40 to 50 percent carryover from a 40 to 60 pound application for corn last year.

Carryover of both phosphate and potash may be a little higher the first year after application for legumes.

In most cases, carryover from less than 40 pounds per acre isn't worth figuring. But under severe drouth conditions, some of the plant food may be left over.

Here's another spot where you can cut back. If you had planned to fertilize heavy toward bumper yields, recheck your plan.

Subsoil moisture is low in most of the state. It isn't safe to count on filling the soil with moisture from spring rains, either.

Without a good moisture reserve, corn yields have only a slim chance of going above average.

Better save the really heavy rates for another year when the odds are more in favor of a profit.

This looks like the year to spread fertilizer pretty thin. Yet, where it is needed to maintain average yields, there's still no investment with better prospects for profit.

expect BIG yields

C. N. Kewter
Ashton, Illinois
Grows 100 bushel corn yields with CROW'S Hybrids. Follows CROW'S soil recommendations.

and GET them—

"Depends Upon 100 Bushel Yields"

"I like CROW'S Hybrids—they weigh better than most corn, and I depend upon making 100 bu. per acre yields. CROW'S Premium has extra strong resistance to plant diseases."
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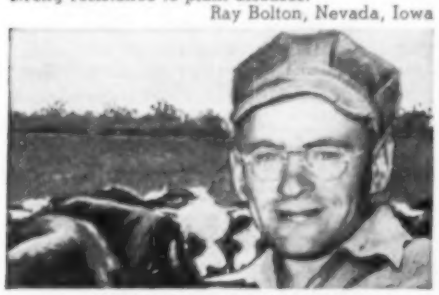

"Picks Easy—Weighs More"

CROW'S Premium is best corn we ever had. Grows short stalks—stands up better against high wind—greater resistance to diseases."
Ray Long, Big Rock, Ill.

"Average 100 Bushel or More"

"Our corn has averaged 100 bushel or more per acre with CROW'S Hybrids—excellent quality."
Wilbur and Allen Varland—Morris, Illinois

plant CROW'S hybrids

From early growth to harvest, you can see superior performance when you plant CROW'S Hybrids.

Most successful corn yields of 1955 were produced in fields where CROW'S Hybrids were planted—following CROW'S Corn Growing Program.

Disease resistance, *insect* resistance, stamina to withstand dry weather, stalk strength and toughness are developed to the highest degree in CROW'S Hybrids.

For easy picking of BIG YIELDS per acre this year, plant CROW'S Regular or Premium Hybrids—best adapted to your soil. You pay nothing extra for CROW'S soil treatment recommendations. See CROW'S dealer.

Send for FREE Bulletin

"HOW TO AVERAGE 100 BUSHEL CORN YIELDS"

Filled with information that can help you grow more profitable corn yields.

CROW'S Film-coating protects your corn in cold, damp soil. Assures full stands—of strong, healthy plants.

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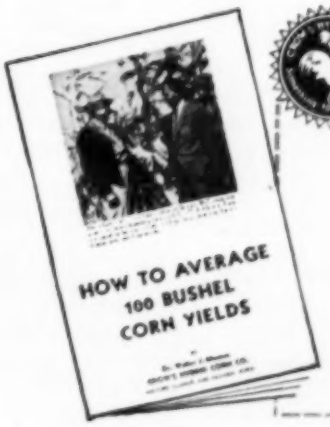

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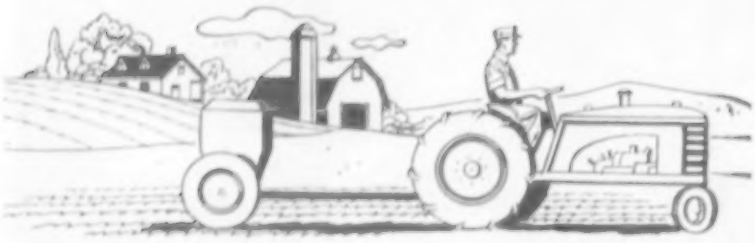
AMMO-PHOS®

is pelletized for better action in your fields



THERE'S NO SPOTTY FEEDING OR CLOGGED DRILLS

BECAUSE AMMO-PHOS PELLETS ARE DRY AND FREE FLOWING

you can apply your fertilizer in half the time. There's no need to stop and clear your drill or break a fertilizer bridge when you use dry, free-flowing, pelletized AMMO-PHOS. That's one AMMO-PHOS time saver. With high analysis AMMO-PHOS your plant food goes up to twice as far as ordinary fertilizers. That's another valuable AMMO-PHOS time saver. And because AMMO-PHOS is chemically compounded, not mechanically mixed, you get even plant food distribution throughout every foot of your field...all without the bothersome dust of ordinary fertilizers.

Your Mathieson dealer has AMMO-PHOS in grades to fit your individual field and crop requirements. See him today and buy AMMO-PHOS, the high analysis, pelletized fertilizer that saves time in the field and helps you produce those uniformly high yields that mean more profit.

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PLANT FOOD DIVISION • LITTLE ROCK, ARKANSAS

A fair share for farmers?

Farm Institute speakers debate ways for improving agricultural income

"A FAIR share for farmers" . . . What is it? And how do you get it? Or can you get it?

These questions were tossed around a lot in the National Farm Institute sessions at Des Moines, February 17-18. But there was far from complete agreement on answers.

One speaker—Charles Shuman, president of the American Farm Bureau Federation—astounded his audience by saying he really didn't like "fair share" as a subject.

He said it implied that the national income should be divided among economic groups, including farmers, according to some set pattern. He branded the notion as tending to socialism and restated somewhat intemperately his personal belief that no government program ever had helped agriculture.

However, reading from a prepared text, Shuman endorsed new farm legislation based on the soil bank. "In order to improve agriculture's position," he said, "We must (1) reduce surplus stocks to manageable proportions, and (2) get current production down to the volume which our markets will absorb."

He added that he did not "go along with those who think expansion of population will automatically take care of the problem of surplus farm production."

Most of the speakers at the Institute agreed that something must be done to bring crop output into line with effective demand.

James G. Patton, president of the National Farmers' Union, outlined a detailed farm program calling for the "retirement" of excess acreage.

Perhaps the most interesting thing about Patton's presentation was the absence of a strong endorsement of high support prices.

Under the Farmers' Union plan, price-supporting action such as outright purchases and loans would be used only where required to even out seasonal price patterns and to head off occasional marketing gluts. Farm income would be supported primarily by the use of supplemental payments direct to farmers to make up the difference between market prices and parity.

Herschel Newsom, Master of the National Grange, did not directly endorse production adjustment as a necessary step in 1956. But he did recognize the oversupply situation by advocating a two-price plan for wheat under which further storage accumulation would be prevented by removing price supports. However, producers would receive supplemental payments on that portion of the crop required for domestic use.

Two speakers from the U. S. Department of Agriculture had some sobering news for those who were hoping against hope that demand might be expanded sufficiently to avoid production adjustment.

Sherman E. Johnson of the federal Agricultural Research Service said: "We are producing nearly enough now for the projected market of 1960."

Gwynn Garnett, chief of the Foreign Agricultural Service, said, "The world today, has the greatest abundance of agricultural products it has ever known, in total and per capita . . . . The prospect is that foreign production of those farm products that normally move in world trade will increase during the next three to five years at a greater rate than population."

Karl Fox, head of agricultural economics work at Iowa State College, declared it would be difficult to move more than about $200 million of surplus a year into welfare channels. And while we possibly could get people to eat more livestock products, it might have to be at the expense of still lower returns to farmers.

Secretary Benson hailed the soil bank plan as the way to deal with current surpluses, but denounced the Senate proposal to return loans to 90 percent of old parity on cotton, wheat, peanuts and corn. Benson called this "preferred treatment for a few crops."

But C. Joseph Coleman of Webster county, Iowa, defended supports at 90 percent of parity. He said, "We cannot have a cut in production and have support prices comparable to the free market and have any amount of participation."

Coleman caused a ripple of laughter thru the crowd by admitting that he was a "triple-threat" witness, holding membership in the National Farmers' Organization as well as the Farm Bureau and the Farmers' Union.

Confronted with such differing views, some of the listeners, in the closing hours of the Institute, remembered a few words from James Patton's speech. He had said, "This year of 1956 is going to be an important year in the shaping of federal farm policy. However, the great farm debate of the post World War II period has not yet progressed far enough.

"In the field of farmers' organizations, particularly, there is a great vacuum of responsible representation of the needs, aspirations and opinions of farm people. Consequently, fundamental long-term farm policies and programs cannot this year be finally agreed upon."

New Scientific **MYZON** *Formula In The Drinking Water Helps*

STOP LAYING SLUMPS

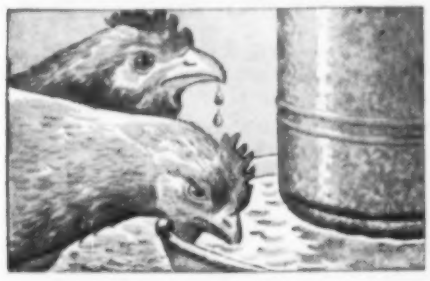
When Birds Are Off Feed with Colds, Sniffling Due to Chronic Respiratory Disease (Air Sac) Non-Specific Enteritis, Rickets . . .

You Don't Change Feed

GOES IN DRINKING WATER

Sick Birds That Won't Eat Now Drink Their Way To Faster Recovery

Like humans, most birds stop eating when sick and feverish, but they don't stop drinking; they usually drink more. That is why MYZON'S antibiotic and vitamin formula is so effective when mixed into drinking water. Sick birds drink and drink, quickly getting lots of antibiotic and vitamins to fight these diseases, to help strengthen them and hurry them back to higher egg production.



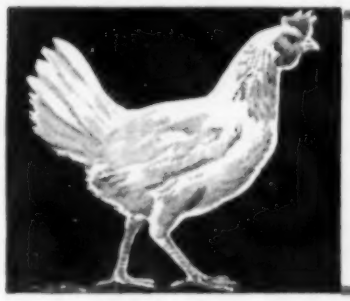
PART OF THE SECRET

MYZON Poultry Builder Contains A Powerful Combination of Water Dispersible, Disease-Fighting Antibiotic Plus Vitamins Found Nowhere Else.

Yes, amazing new MYZON POULTRY BUILDER—recently developed after many months of hard, patient research—is entirely different from anything else you've ever seen or heard about! For MYZON'S Poultry Builder was especially compounded with one sole idea in mind: to give you a formula that would quickly help STOP LAYING SLUMPS when birds are off feed with Colds, sniffling due to Chronic Respiratory Disease (Air Sac). And rigid tests (Under normal farm conditions) prove MYZON POULTRY BUILDER does everything promised! No wonder it is being praised by poultry raisers from coast to coast. Accept no substitute! Get MYZON POULTRY BUILDER TODAY!

GOES TO WORK IN MINUTES!

Research scientists maintain that MYZON POULTRY BUILDER goes to work in the system . . . in minutes! The reason is simple! Yes, because MYZON POULTRY BUILDER is carried by the drinking water (rather than the feed), most of it by-passes the feed in the crop, stomach and gizzard to **go directly** into the intestinal tract where it is absorbed and promptly carried to all parts of the body. MYZON works on the reproductive organs, promotes improved **egg production.** MYZON'S exclusive formula works in the liver and digestive system to ward off the diseases listed above, and build sturdier birds. MYZON battles infection of the respiratory tract . . . works its wonders in tissues and vital organs.



Keeps Egg Production Higher Right Through Coldest, Damp, Changing Weather . . . Costs Only Pennies a Bird!

NOW GET EXTRA EGGS EVERY MONTH

For the price of about one egg per bird a month you can help stop these costly laying slumps.

Thousands of farmers who keep laying flocks never realize that every month a large part of their profit goes down the drain in these temporary laying slumps. Because egg production usually goes down a little every fall and winter you may believe there's nothing you can do about it. But now you can help get those extra eggs that you might have lost when these diseases that often accompany cold, damp weather set in.

Now, for the first time, you can give your birds the amazing new scientific discoveries they need to help ward off these laying slumps and loss of egg production right in the water they drink, without changing their feed.

BATTLES INFECTION: BUILDS STURDIER BIRDS

MYZON POULTRY BUILDER fights these diseases throughout the bird's entire system. MYZON works in the reproductive organs. MYZON promotes improved egg production. MYZON'S exclusive formula works in the liver and the digestive system to help ward off these diseases and build sturdier birds. MYZON battles infection of the respiratory tract . . . works its wonders in tissues and vital organs.

Although Individual Experience May Vary, You Must Be 100% Satisfied With Your Very First Package of MYZON Products or Your Money Refunded.

NOW SCIENTISTS SAY THAT MANY LAYING SLUMPS ARE DUE TO CHRONIC RESPIRATORY DISEASE that often accompany changing weather conditions. For only a few cents a month per bird you can help get those many extra eggs that are lost to colds, sniffling due to chronic respiratory disease, non-specific enteritis.

MYZON POULTRY BUILDER HELPS PREVENT

and Treat Colds, Sniffling, due to Chronic Respiratory Disease (Air Sac), Rickets, Non-Specific Enteritis, Bone Weakness, Thin Shelled Eggs, Poor Feathering, Scaly Skins, Anemia, Curled Toe Paralysis, Swollen Joints (Perosis), when there are vitamin and antibiotic deficiencies.

READ WHAT MYZON USERS SAY:

IN 10 DAYS PRODUCTION JUMPS FROM 20 TO 90 EGGS A DAY

"I had 125 hens that were giving about 20 eggs a day and that were listless and off feed. I bought a 5½ lb. can of **MYZON POULTRY BUILDER** and after 10 days they were giving about 90 eggs per day. I am very satisfied with your product and will recommend it highly." **H. J. Vopat, Fulton, South Dakota.**

EGG PRODUCTION JUMPS FROM 8 TO 90

"When I started using Myzon last fall, my pullets had awful colds and were just laying 8 eggs a day. I got Myzon and treated for sick birds and it sure did the job in a hurry. Before long they were better and laying from 75 to 90 eggs a day. I use it all the time and have no egg slumps even in the coldest weather." **Mrs. Arthur Bell, Bowen, Illinois.**

GET 23 DOZEN MORE EGGS PER DAY

"Regarding your Poultry Builder and what it has done for my flock of 700 hens. When I began feeding it they had colds and I was getting between a 20 and 25 percent production. After feeding it five days they were over their colds. After 3 weeks were up to 60 percent and are still increasing." **Julius Nicklas, Guernsey, Iowa.**

Get MYZON Poultry Builder

At Better Dealers Everywhere

MYZON SWINE BUILDER ENDS PIG SETBACKS

Due to Scours, Necro, Bacterial Pneumonia, Shipping Fever, Nutritional Anemia . . .

GOES IN DRINKING WATER. YOU DON'T CHANGE FEED

Speeds Up Backward Hogs

GETS PIGS "GOING AGAIN—GAINING AGAIN." Just released from the laboratory after many months of patient testing, this great new scientific triumph not only STOPS INFECTIOUS SCOURS, NECRO, faster, but, even more important, it gives pigs the strength and resistance to help keep Scours from coming back. Best of all, MYZON SWINE BUILDER keeps pigs gaining fast. Instead of losing weight because of these diseases, pigs recover quicker and gain weight faster!

MYZON SWINE BUILDER comes to you in a highly concentrated form. Water-dispersible—you simply put in drinking water. That's all the directions needed. When sick and feverish, most pigs stop eating, but they actually drink MORE—quickly getting lots of MYZON'S exclusive, high-potency formula right to the stomach and intestines, right to the cause of the trouble—to take charge of these disease germs and to help keep pigs gaining weight. NOW FOR THE FIRST TIME A LOW-COST WAY TO SPEED-UP BACKWARD OLDER HOGS, TO KEEP EVEN SICKEST PIGS EATING AND GAINING WEIGHT THROUGH CHANGING WEATHER. Get MYZON SWINE BUILDER from your dealer today! Keep on hand ready for emergencies.

Read What Amazed Users Say About Myzon Swine Builder

STOPS SCOURS . . . PIGS AVERAGE 52 LBS. AT 8 WEEKS

"I fed 200 pigs that were four weeks old 16 pounds of Myzon Swine Builder. They had the scours very bad. They stopped scouring in three to four days. These pigs averaged 52 lbs. at eight weeks. I think MYZON SWINE BUILDER is a very good product." Fred H. Scott, Tampico, Illinois.

SOWS QUIT SCOURING IN 2 DAYS

"Early in January this year I had some Brood Sows that started scouring very bad just before farrowing. I immediately used Swine Builder in the water. In two days the sows had quit scouring and were in good shape again. I have used Swine Builder on young pigs since then and find that they are back in good condition again in two to three days time." Lawrence W. Gregory, Sr., Wataeka, Illinois.

MYZON, INC., DEPT. 56, 3129 W. 47TH ST., CHICAGO 32, ILLINOIS

Get more from every acre

with this green manure alfalfa that allows two crops from the same field

HERE'S THE REASON Terra Verde Brand Alfalfa does such a remarkable soil building job. Farmer Frank Larson looks over a plant from the 50 acres of Terra Verde Brand he's plowing under. Thick roots, lush top growth combined to maintain the excellent soil condition of Larson's field.

YIELDS GO UP when corn follows on Terra Verde Brand Alfalfa fields. Leslie Larson, Frank's son who farms nearby, has used this yield-boosting green manure for several years. "I didn't keep an acurate yield check on my silage," says Leslie, "but I know Terra Verde Brand helps me."

TERRA VERDE BRAND ALFALFA

Now get both a cash grain crop and a soil-improving green manure crop from the same field in the same year. Many farmers do by seeding Terra Verde Brand Alfalfa along with small grain—in fields not needed for hay or pasture crops of hardy legumes.

BUILDS SOIL FERTILITY

Harvest the grain crop, then watch those special non-hardy alfalfa strains blended in Terra Verde Brand grow rapidly—giving you a top growth of two feet or more by fall! Plowing under this full stand adds the equivalent of from 40 to 80 pounds of nitrogen per acre to the soil. And you get all this added fertility whether you plow in the fall or wait until the following spring.

IMPROVES FIELD TILTH

During its one season's growth, Terra Verde Brand Alfalfa will also shoot down roots to a depth of over three feet—opening up pore spaces, breaking up hard pan, helping increase the soil's water-holding capacity. You end up with soil that's easier to work—soil that allows crop roots to penetrate deeper—soil with greater fertility.

BOOSTS CROP YIELDS

Corn crops that follow often show increases of from 15 to 25 bushels per acre. And the organic nitrogen supplied by Terra Verde Brand Alfalfa carries over for several crop years. Thousands of farmers get more from every acre with Terra Verde Brand Alfalfa. So can you. See your local Northrup King dealer now. Ask him, too, for his 919 Brand Alfalfa—the new hardy alfalfa seed product for your two to three year hay or pasture fields. He's got quality alfalfa for every need.

Get more from every acre with products of **NORTHRUP KING SEED RESEARCH**

TERRA VERDE BRAND ALFALFA

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NK

Tips For March

Here are some suggestions from Francis A. Kutish, farm economist at Iowa State College.

CRUSHED CORN COBS make a good bedding for sows and litters, Harold Wingert, Benton county, Iowa, has found.

▼ ▼ ▼

MARCH IS LAST CALL for getting tractor, seeding equipment, disk and the like ready for use. Delays for repairs can throw a farmer behind in his spring field work.

▼ ▼ ▼

YOU MIGHT SURPRISE your repairman by bringing your corn cultivator shovels for sharpening the next time you come to town. Come June, and everybody will be wanting his sharpened at once.

▼ ▼ ▼

ARE YOU GETTING full use from the overhead part of your machine shed? A farmer in western Illinois, made his into grain storage space. A Story county, Iowa, farmer has the top part of his machine shed converted into a laying house. The floor needs to be well-insulated if used for poultry, however.

▼ ▼ ▼

LOWER FARM PROFITS mean less ability to carry risks. When did you last review your fire insurance policies? Would they cover your losses if you had a fire today? Higher costs have left many insurance policies badly out of date.

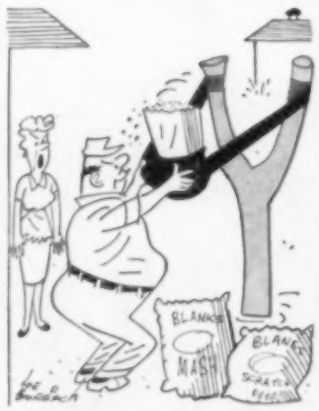
▼ ▼ ▼

AS SPRING WORK builds up, there'll be less time for Dad to help Mother with the chicken chores. A Warren county, Iowa, farmer built a feed room in the corner of his chicken house. He fills it with feed every two weeks. Makes Mother's chicken feeding chores a lot lighter.

▼ ▼ ▼

A SURVEY of baby chick buying plans by Story county, Iowa, farmers showed a big portion will be bought in April and May. That's too late for top poultry profits. Poultry specialists say chicks should be in your brooder house by the end of March. You'll get more high priced eggs in the fall months. Your cull birds will be ready to sell earlier in the summer too—when prices are better.

"Let's go down near the highway, and let some bums milk us."



"Hang it, Paw! If you want to save steps, why don't you buy an automatic feeder?"

Add Phosphate To Manure

Phosphate added to manure will improve the plant food balance of the manure, and help hold nitrogen in the manure that might otherwise be lost.

Fertilizer balance is improved because manure is rather low in phosphate. Manure without bedding ordinarily contains about five pounds phosphate and 10 pounds each of nitrogen and potash, according to Missouri crop specialists.

The addition of half a sack or more of superphosphate to each load of manure will increase the phosphate content so it equals the nitrogen and potash in the manure.

Phosphate should be added before the manure is spread. Thru chemical action, the phosphate tends to prevent escape of nitrogen.

You can spread phosphate in the bedding of the loafing barn at the rate of one pound per cow per day, or add 50 to 75 pounds of superphosphate to each load of manure as it is spread.

Orphan Lambs Need Care

Making a ewe claim an orphan lamb can put your patience to a real test. The ewe may have to be held or tied for the first few nursings.

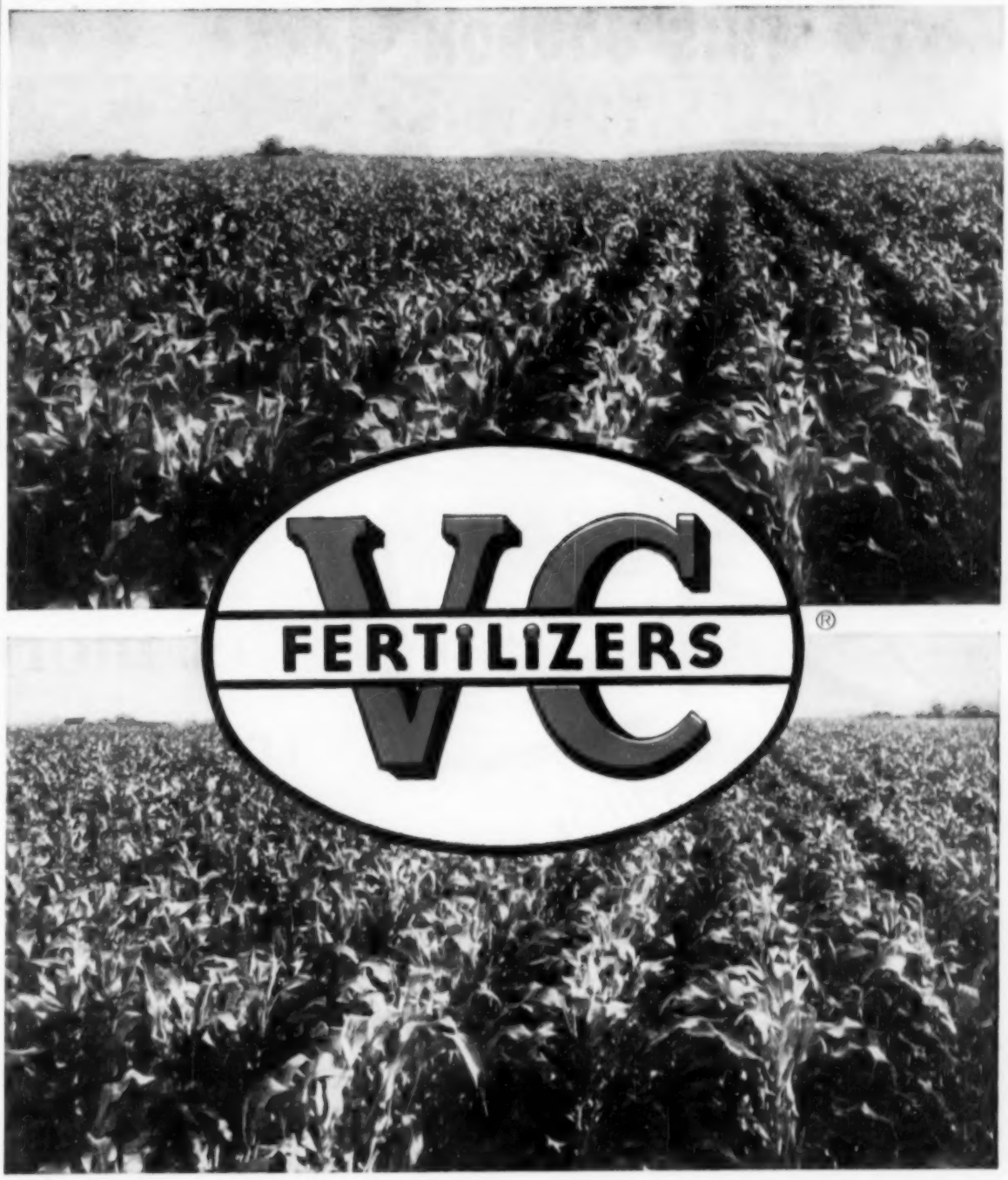
Sprinkling some of the ewe's own milk on her own nose and on the lamb may help. She identifies her own lamb by the smell.

Or you may be able to save an orphan lamb by feeding it cow's milk. Don't dilute the milk—cow's milk is already lower in both fats and solids.

Give a small amount of milk frequently—every two to three hours at first. As the lamb gets older, give it more milk, and decrease the number of feedings. After 10 days, three feedings per day is enough. One warning—be careful not to over feed.

Encourage the orphan to eat grain as soon as possible. The best bet is to let him run to a creep with other lambs.

AVERAGE SIZE of the nation's farms in 1954 was 242.9 acres. That's an increase of 26.9 acres since 1950. Average size of farms has increased in every census since 1910. Farms now average 104 acres larger than in 1910.



Two crops per year from the same land

Many leading farmers have more than doubled their corn yields by greatly increasing their per-acre application of V-C Fertilizer. It's like growing two crops of corn on the same land the same season. Yet they plow, plant and cultivate only one. The extra bushels added to your yield by V-C Fertilizer are the most economical and most profitable bushels you produce. When you double your acre yield with V-C Fertilizer, you greatly reduce your cost per bushel and increase your net return. Start now to make your corn pay you more. Produce big yields of high-quality, high-feed-value corn per acre at low cost per bushel. Use good seed, close spacing, approved cultural practices and a heavy application of V-C Fertilizer.

See Your V-C® Dealer

Get the facts on the complete line of V-C Fertilizers, produced in a V-C factory located near you, for crops and soils in your vicinity. Ask about top-quality **V-C PROLIFIC,** the superior blend of better plant foods fortified with important minor elements lacking in many soils. V-C Fertilizers and V-C Superphosphates are backed by more than 60 years of experience in serving millions of farms in many states.

+ FAST CASH DISCOUNTS!

This year Sargent gives you a big, additional reason to get pigs off on the profit road speedily and efficiently with new power-packed Sargent Special Pig Starter. For Sargent now guarantees you a cash saving every step of the way from pig to packer!

Yes, every bag of Special Pig Starter you buy carries a cash discount coupon worth 12½c toward the purchase of Sargent *Pig Grower Concentrate*. This is the preferred pork-maker that puts stretch and frame on hogs. Coupons on Pig Grower Concentrate bags, in turn, apply on Sargent *Mineral Meal*, famous for tieing on that packer-preferred, meat-type finish. In addition to all this you get the regular Sargent money-back guarantee of satisfaction.

Think of the saving to you. If you feed out 100 hogs this way, you save $12.50 in cash coupons alone—over and above the economical top market finish Sargent puts on your hogs.

this year be a 2-WAY WINNER

Do as hundreds of successful hog raisers in the Mid West do. Feed the profitable Sargent way — all the way! Take Step No. 1 now — Start those pigs on Sargent Special Pig Starter. See your Sargent Feed Dealer right away!

Sargent

5 SARGENT PLANTS SERVING HOG RAISERS

Des Moines, Iowa
Monmouth, Ill. Waverly, Mo. Fremont, Nebr. Algona, Iowa

Chains help you thru slippery spots of mud or ice. Here, Robert Jerabek uses chains to get thru spots where going is tough on land farmed by brother-in-law Bryce Harrington of Mills county, Iowa.

Get more traction

Use of wheel weights or fluid in tires helps reduce slippage and tire wear

THERE'S heavy work ahead of your tractor this spring. Work that causes slippage, loss of power and extra wear on tires.

Many tractors have the power—but not enough traction—for the tough-pulling jobs.

Fortunately, there's an easy answer. Just add wheel weights or fluid to the tires for extra traction.

"Each pound added to rear wheels adds about a half pound to drawbar pulling ability. That's provided your tractor has the power and gear arrangement to take advantage of it," says Dale Hull, Iowa State College engineer.

These easy ways to gain extra traction haven't escaped the eyes of wide-awake Corn Belt farmers.

Howard Miller of Franklin county, Iowa, is one example.

He says, "I put oversize tires and wheel weights on my three-plow tractor. It's the one that gets the heavy loads. That stops a lot of slippage and saves wear on the tire tread.

"But I can't see much use putting extra weights on smaller tractors that do only the lighter jobs around the farm."

Arley Atwood of Keokuk county, Iowa, chose wheel weights too.

He says, "I had fluid in the tires of my old tractor. Added a lot of weight that way.

"But every time I had a puncture, I had to have the tire refilled. That added quite a bit to repair costs.

"So when I got my new tractor, I had two sets of wheel weights put on it. I leave them on all the time."

All this doesn't mean that every one should put added weight on the rear wheels of his tractor. Unless the extra weight is needed for traction, it can be a disadvantage.

Extra weight means more soil compaction. No farmer needs that.

Too much weight on rear wheels can make your tractor dangerous. Most tractors are pretty well balanced as they come from the factory.

A tractor company research engineer says, "If you need a lot of extra weight on rear wheels, add some counter balance weight to the front end.

"Excess weight on rear wheels makes a backward upset more likely when wheels drop into a ditch or soft spot."

So play it safe. And check with your dealer on the amount of weight that can be added without a need for counterbalance weights.

You'll want to watch tire pressure, too. Usual recommendation is about 12 pounds of air in rear wheels. Maybe about 16 in the furrow wheel when plowing.

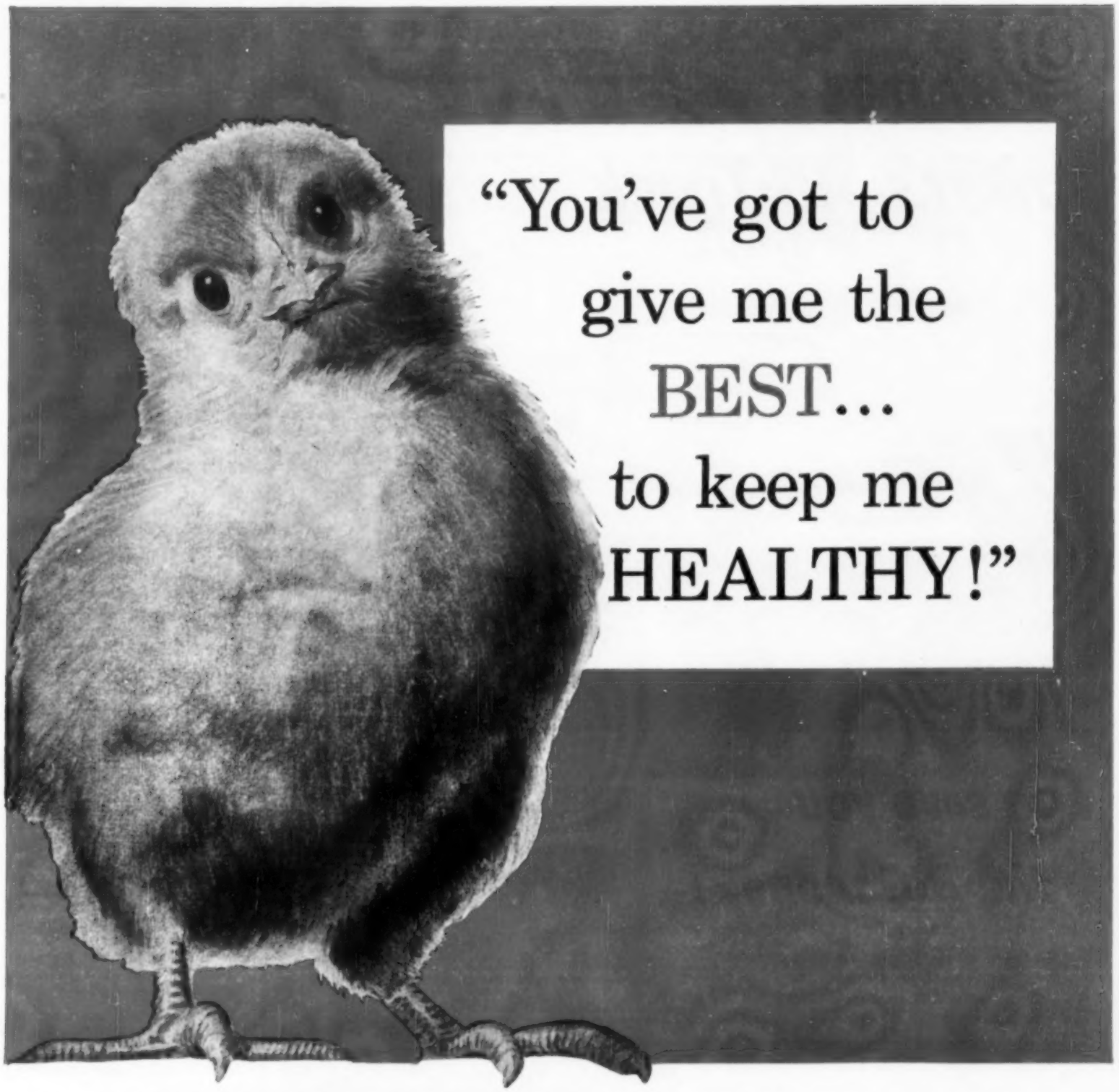
With extra weight, tires will need extra pressure. Add a pound of pressure for each 150 pounds of weight, advises a University of Wisconsin engineer.

There are times when extra weight still doesn't give the necessary traction. Most of your tractor horsepower is nearly helpless on ice. Or even under some muddy conditions.

That calls for chains. They are a big help around the farm yard. And in the field at times.

Arley Atwood says, "I have a pair of chains hanging in the garage. There are times when you really need them for ice—or mud.

"I haven't needed them in the last three years. Open winters and dry weather let weights supply all the extra traction I've needed."



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There's no surer way to help prevent disease and keep your chicks healthy than the use of the *right* amount of the *right* antibiotic. Not just *any* antibiotic, but the world's greatest disease-fighter: AUREOMYCIN Chlortetracycline.

AUREOMYCIN is more effective against more disease organisms than any other known drug. AUREOMYCIN, in the *right* amount in good feeds, offers you the finest protection you can get today against the chronic diseases that cause so many losses—CRD, blue comb and non-specific enteritis.

Be sure! See your feed dealer or feed mixer. Ask him for feeds containing AUREOMYCIN.

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And that's where INTERNATIONALS are made to order for you. Every INTERNATIONAL is built from the drawing board out as a *truck.* No passenger car engines or components are ever asked to do a truck job.

That pays off in longer life, fewer and less costly repairs. It saves you the BIG money—the over-the-years operating and maintenance money.

And you get all this, plus modern comfort, performance and style. See the *right* truck for you today, at your INTERNATIONAL Truck Dealer or Branch.

INTERNATIONAL HARVESTER COMPANY • CHICAGO

INTERNATIONAL Farm Trucks with combination grain body (top), pickup (center) and stake (bottom)—just three in the world's most complete line which includes 12 pickup models with three body sizes, 4,200 lbs. to 8,800 lbs. GVW. Every one priced right, built right for outstanding economy and dependability.

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Motor Trucks • Crawler Tractors • Industrial Power • McCormick® Farm Equipment and Farmall® Tractors

"Wilbur's working on something to end juvenile delinquency in our family!"

Urge Price Incentive For Meat-Type

The Iowa Swine Producers' Association, in a resolution passed at its annual meeting last week, urged all meat packing firms to pay some type of premium on meat-type hogs.

"To stimulate the production of this type of hog, it is necessary that the producer be given an incentive by way of a higher price," the resolution stated. "A number of the meat packing firms operating in this state now offer to pay a higher price for hogs of this type."

Then the resolution continued: "We hereby . . . . request that all meat packing firms, forthwith, take all such steps as may be required . . . . to make higher prices for this type of hog effective and uniform to all producers thru whatever channels the hogs may come."

10 Resolutions For Hog Farmers

Wilbur Plager of the Iowa Swine Producers' Association suggests 10 "New Year's Resolutions" for hog farmers who want to beat the cost-price squeeze.

1. Improve and use meat-type breeding stock. Buy tested meat-type boars.
2. Follow a multiple farrowing program.
3. Make better use of silage for sows to cut cost of feed.
4. Save more pigs per sow.
5. Don't cheat baby pigs. Use the best feed and management—at least until pigs have reached 60 to 75 pounds.
6. Feed a properly balanced ration.
7. Control disease thru better management.
8. Keep records; know your costs.
9. Sell hogs at 190 to 220 pounds so you can offer a product that has more consumer acceptance.
10. Eat and help sell your own product—pork.

RADIO-ACTIVE tracers can be used to help select lambs for breeding stock. Tests show that lambs which secrete the most thyroxine will produce the most milk, grow fastest and have the best breeding behavior. The tracers can be used to measure thyroid secretion rate of lambs, Michigan State University workers find.

Outside stuff

"GOD gave us two ends," says Wilbur Plager of the Iowa Swine Producers' Association. "One to think with, and one to sit on. Heads you win; tails you lose!"

An astute observation, I would say. Point for all of us to remember, of course, is the fact that even tho a man may not agree with you, he may still be using his head.

• • •

I STOPPED to visit with a young Clarke county, Iowa, renter a few days ago. And I found him moving to another farm—with no regrets.

Reason: He had been hauling most of the water for his livestock during the last nine months. And that's no small chore when you have 32 cattle and 200 to 300 head of hogs.

"I've been spending up to $5 a day for water," the renter told me. He had hired a water hauler to deliver most of the water.

• • •

WHEN do you castrate pigs? Floyd McComas of Clarke county, Iowa, likes to get the job done when pigs are about three weeks old.

"It's easier at that age," McComas explains. Easier for the man who's doing the job, and easier on the pigs. Castration may set older pigs back several days. But three-weeks-old pigs usually show little, if any, setback from the operation.

• • •

I KNOW a young couple that recently bought a new foreign-made car. They think the car's a dandy. But they were provoked to learn that import duty accounted for about one-third of the cost of the car.

Import duty, of course, is protection — subsidization, if you wish—for American products. And in view of some recent financial statements, some folks wonder how much protection our giant auto manufacturers need these days.

—Dave Bryant.

"The boss and his gal friend busted up. We gotta change the brands on 3,000 head of cattle."

UNITED-HAGIE OUTSTANDING IN IOWA YIELD TESTS

Outyields four major competitors in 3 out of every 4 comparisons

The Official 1955 Iowa Corn Yield Test results show United-Hagie hybrids pushing to the front as the midwest's top yielding seed corn.

In 75% of the cases where it was possible to compare United Hagie with the four leading competitors, United-Hagie yielded more bushels per acre. The 10 most popular varieties of the leading competitors are those varieties of which the most bushels are available for sale in 1956—based on figures made public in the Yield Test results.

United-Hagie in Every District

United Hagie varieties were entered in every one of the 12 Iowa Corn Yield Test districts. Some of the competitive varieties were not entered in all districts, thus on some numbers only a few comparisons were possible. United-Hagie is offering a complete analysis of all comparisons possible, broken down by district, naming brand names, showing actual bushels per acre yield. You can get this analysis plus a map showing where the districts are located by mailing the coupon below to United-Hagie. There is no charge.

Outstanding in Nebraska, Kansas, too

In the 1955 Nebraska Corn Performance Tests, competing against state-designated "Popular" hybrids, United-Hagie yields were better than, or equal to, the best yields of the "popular" brands in each zone where comparison was possible. For example, in Zone 2 United-Hagie's 41A outyielded all other popular varieties. just as it has done in Iowa District 6 for the past 2 years.

In Kansas, too, United-Hagie varieties ranked high in the 1955 Corn Performance Tests. For example, in the Cloud County Test, United-Hagie's UH5 was better than or equal to, all other brands in high yield.

Send for 1955 Yield Test Analysis

Remember, for your free copy of a special Analysis of the 1955 Iowa Corn Yield Tests and free map showing location of districts, simply fill out and mail the coupon below. With the analysis you can pick the popular variety you plant and compare it with United-Hagie's higher yielding varieties. The analysis includes all the facts from which the results—tabulated at the right—were taken. Send for it today.

FREE Analysis of the 1955 Iowa Corn Yield Test and map showing the 12 districts.

Stick this coupon on back of postcard and mail to:

United-Hagie, 202 Onthank Building, Des Moines 9, Iowa

Your Name .....

RFD No. .....

Town..... State.....

(ADVERTISEMENT)

Based on 1955 Iowa Corn Yield Tests

UNITED-HAGIE

outyielded 4 major competitors

in 3 out of every 4 test comparisons

This is a factual report based on a comparison of United-Hagie Hybrid Seed Corn with the 10 most popular varieties of 4 major competitors. It covers every comparison possible in every district where United-Hagie was in competition with its four major competitors.

Here is a complete tabulation of the results showing United-Hagie performance in comparison with the 10 most popular varieties of 4 major competitors.

UNITED-HAGIE versus BRAND A

VARIETY	1	2	3	4	5	6	7	8	9	10	TOT.
Number of tests in which a given variety of Brand A was best.	1	1	2	0	0	0	1	2	2	0	9
Number of tests in which a United-Hagie variety was best.	3	3	6	1	6	1	4	5	4	3	36
Total number of tests in which comparison was possible.	4	4	8	1	6	1	5	7	6	3	45

UNITED-HAGIE versus BRAND B

VARIETY	1	2	3	4	5	6	7	8	9	10	TOT.
Number of tests in which a given variety of Brand B was best.	0	0	2	1	4	0	1	0	0	0	8
Number of tests in which a United-Hagie variety was best.	2	5	2	7	1	3	7	1	3	6	37
Total number of tests in which comparison was possible.	2	5	5*	8	5	3	8	1	3	6	46*

UNITED-HAGIE versus BRAND C

VARIETY	1	2	3	4	5	6	7	8	9	10	TOT.
Number of tests in which a given variety of brand C was best.	1	0	4	1	0	1	0	1	1	0	9
Number of tests in which a United-Hagie variety was best.	5	3	4	7	2	2	1	3	6	2	35
Total number of tests in which comparison was possible.	8*	5*	9*	8	2	3	1	5*	7	2	50*

UNITED-HAGIE versus BRAND D

VARIETY	1	2	3	4	5	6	7	8	9	10	TOT.
Number of tests in which a given variety of Brand D was best.	0	4	2	2	0	2	4	4	3	1	22
Number of tests in which a United-Hagie variety was best.	1	3	7	7	4	1	3	4	1	4	35
Total number of tests in which comparison was possible.	1	7	9	9	4	3	8*	8	4	5	58*

* The two numbers in this part of the tabulation do not add up to the total because of ties.

GRAND TOTAL: All other brands . . . 48 wins
UNITED-HAGIE . . 143 wins

Yes, in these test comparisons, based on the actual yield figures from the 1955 Iowa Corn Yield Tests United-Hagie hybrid seed corn out yielded 4 major competitors 3 out of 4 times.

No wonder United-Hagie and only United-Hagie guarantees your corn yield. See your United-Hagie dealer right now! Place your order for a top yielding United-Hagie hybrid. He'll help you select the variety that's best for your locality and your type of soil.

UNITED-HAGIE HYBRIDS *Grow and Compare*

Only DEEP ROCK PREMIUM GASOLINE puts this POWER TEAM to work for you!

DR-2

the miracle additive that neutralizes gasoline deposits, preventing pre-firing and spark plug miss

plus...

HIGHEST OCTANE

for extra knock-free power that pays off in faster starts, quicker pick-up and more mileage.

DEEP ROCK PREMIUM with DR-2 is *power-blended* of specially selected components to satisfy the octane requirements of modern engines. And to make sure you get full benefit from this top octane fuel, we add DR-2.

That's why you put extra "horses" under the hood of your car when you move up from "gasoline" to DEEP ROCK PREMIUM!

Say "Fill 'er up with DEEP ROCK PREMIUM" where you see the blue and yellow Deep Rock sign.

The STOP... that keeps you *GOING*

DEEP ROCK

DEEP ROCK OFFICES:
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Oklahoma City · Tulsa

From England, Peter Davies (right) came to Iowa to spend 10 months. First half of his Iowa visit was spent with Pat Foster (left) of Buchanan county. Second half was spent on the John Mavis farm in Buena Vista county.

Barnyard diplomats

TEN young farmers from European and Asiatic nations left Iowa recently after spending 10 months working and living on Iowa farms. They'll return to their homes after a two-month tour of the nation. Pictures on this page show a few members of that group on Iowa farms. Project is sponsored by Farm Bureau.

Formosa delegate, Chang Kung Zow spent part of his time in Iowa on the Ross Childs dairy farm in Delaware county. He also stayed on the Leo Ellis poultry farm in Dallas county.

Here's Franz Wilhelm Hopp of Germany. He's pictured on the H. E. Connelly farm in Butler county.

Meet Mike Stark from England. He spent his time in Iowa on the Charles Buchanan farm in Crawford county.

Special Offer to hog growers on New Larro pig feeds

FREE

this $10.95

Larro Creep Feeder

when you purchase 1 ton of combined Larro SureStart and Larro SurePig

(Your one ton order must include at least 250 lbs. of SureStart)

Ask your dealer for special order form.
Offer expires May 1, 1956

This "bonus" creep feeder will be shipped direct to you by General Mills, complete with instructions for easy assembly. All steel — 27½" long x 22" high x 10" wide. Holds over 50 lbs. Feeds 15 to 20 pigs. Stands alone or hangs on wall.

It's our way of introducing Larro's New SureStart meal for baby pigs and Larro's New flexible weaning plan

Now, wean 'em early or wean 'em late — and collect a double bonus either way. New Larro SureStart and SurePig combine to give you a new, common-sense approach to modern pig raising.

New SureStart is a complete starter feed and milk replacer for early weaning and emergency feeding.

Pigs eat SureStart readily . . . get a health boost with every mouthful. It's rich in those nutrients known to give baby pigs their best start — milk nutrients, proteins, minerals, rolled oats, antibiotics, vitamins and sweet energy nutrients. Pigs on Larro SureStart aren't affected by the growth slump that comes when the sow's normal milk flow tapers off.

This was proved at Larro Research Farm and by extensive farm tests using the Larro SureStart-SurePig flexible weaning plan. Some farmers weaned their pigs early and some weaned them late, depending on the type of feeding and management plans they wanted to follow.

It's practical because Larro SureStart and SurePig provide extra health protection and the kind of nourishment that produces strong, healthy pigs economically. Pigs like sugar-rich SureStart. They eat it like candy . . . get an energy lift as they put on daily gains. They stretch up FAST and gain a pound on as little as 1¾ pounds of SureStart.

These two Larro feeds work hand-in-hand to overcome many common pig-raising problems. That's why you can successfully follow any feeding program you choose. Wean at 3 weeks or 8 weeks or any time in between . . . whatever fits your own needs best.

Don't delay finding out more about Larro's new flexible weaning plan. It works for others . . . it will work for you. For your dealer's name and free folder, write the Larro Feed Division . . .

General Mills

Minneapolis 1, Minnesota

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HERE'S EXTRA PROFIT FOR LIVESTOCK FEEDERS!

Available in 50 lb. and 100 lb. bags and in 50 lb. blocks

CAREY BALANCED RATION FEEDING

Adds only pennies to feed costs ... Pays off in dollars!

No matter whether you're feeding for meat, milk or wool, *you can't afford to risk mineral deficiency*. Yet, farm-grown feed and roughage rarely supply the full daily requirements of minerals livestock must have for growth, body maintenance and reproduction.

Help protect profits against such deficiency by feeding *CAREY Trace Mineralized Salt* in place of plain salt. The difference in cost is only pennies a head per year but the pay-off is counted in dollars.

Ask your Carey Salt dealer for full details.

CAREY

THE CAREY SALT COMPANY, Hutchinson, Kan.

In Modern Farm Kitchens

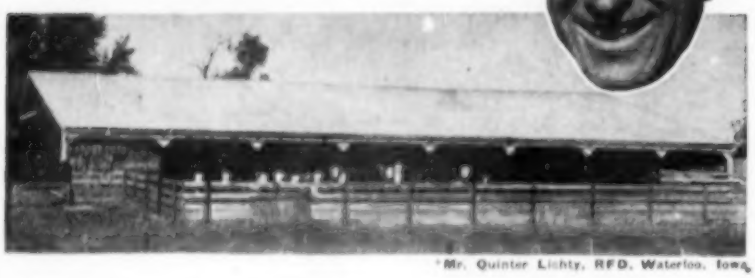
IODINE-BALANCED CAREY SALT...

is the favorite way to coax out full food flavor. Carey Table Salt assures proper iodine ration daily—by an exclusive patented* process that gives iodine-balance with every "shake" of salt.

*Patent No. 2,506,568

He's smiling because of his

BLOOM BUILT BARN



Mr. Quinter Lichty, RFD, Waterloo, Iowa

"The longer I have it, the more I realize how great the value to me," says Mr. Lichty about his pole type Bloom Built barn. The 52' x 104' barn, on the C. M. Lichty farm, was completely finished in 6 days.

You'll be smiling too after you modernize your farm with one story, pole type BLOOM BUILT FARM BUILDINGS. You'll save steps, labor and time. Your chores will be done quicker and easier!

No matter what type of farm building you need, Bloom Builders will quickly fit a modern, one story pole type building to the job . . . with speedy construction even during the winter months.

BLOOM BUILDERS OFFER YOU—

- **Prompt state-wide service**
- **Dependability (Most customers are sent by other satisfied customers.)**
- **No "Building Headaches" . . . Bloom Builders take complete responsibility for the completed job.**
- **Guaranteed high quality pole type buildings, built by experienced reliable crews.**
- **One story, pole type buildings that are fitted to your farm.**
- **Expert help in farmstead arrangement.**

You Get Top Quality Materials, Fast Sturdy Construction, and Expert Design . . . at a BIG SAVING TO YOU. (Get Bloom's prices and see for yourself!)

EASY TERMS — 3 YEARS TO PAY

CALL OR WRITE TODAY FOR FREE INFORMATION

BLOOM BUILDERS

Phone OR 3-5419 **Oskaloosa, Iowa**

G. I. farmers also tell Benson

New veterans' group asks livestock supports and 1956 corn allotments

THE G. I. Farmers of America—a new farm organization with headquarters at Webster City, Iowa—has now been formally incorporated under Iowa law.

It was launched several months ago in Hamilton county and additional chapters or posts have since been organized in Hardin, Wright and Boone counties.

Its membership is open to honorably discharged war veterans who are farm owners, tenants or employees.

Neel Hill of Webster City is president; John E. Hansen, Jr., Goldfield, vice-president; Robert Ladd, Webster City, secretary-treasurer.

"Our organization was formed," explains Hill, "to publicize the distress of the small farmer. And to help initiate a workable farm program."

A group of the G. I. Farmers, headed by Hill, recently went to Washington to submit ideas for both emergency action on livestock prices and long-run crop adjustment.

"We were cordially received by the Iowa congressional delegation," Hill reports. "We also had an opportunity to talk with Secretary Benson. But we got nowhere with him."

The G. I. unit urged that the following action be taken with respect to hogs:

1. Support hogs thru supplemental payments at $16 per hundred, basis terminal market, and on the weight range 190-220 pounds. (This would be equivalent to a top of $14.50 to $14.75 at interior points.)

2. Limit this support to 100 hogs per producer per year.

3. Make this support retroactive to the last date on which hogs sold for a comparable price.

With regard to other agricultural commodities, the G. I. program is as follows:

Put a floor of $24 per hundred under choice cattle, basis terminal markets. As in the case of hogs, ask processors to stop feeding livestock.

When necessary from time to time, maintain moderate floors under poultry and poultry products and dairy products. Have Congress investigate margins taken by food processors, wholesalers and retailers.

Have corn acreage allotments in 1956, and curb feed production on the diverted acres. Set allotments in proportion to total crop land, not the historical planting record.

Lands taken out of production should be seeded and left idle for three years, subject only to harvesting of the first-year nurse crop or, in case of drouth, to grazing by livestock.

Push export trade and hold down as much as practicable the imports of competing commodities.

Return price supports on basic commodities, including corn, to the 90 percent level, as a condition for accepting production controls.

"As Americans first and farmers secondly," the G. I. Farmers' resolutions read, "we feel every farmer should be willing to accept his appropriate share in reduction of surplus commodities."

The G. I. organization is dedicated to the preservation of the family-size farm. Its resolutions explain that it is "non-sectarian, non-partisan, non-political and non-racial."

Wallaces' Farmer and Iowa Homestead brings you

Boy's basketball tournament

As a service to its readers, Wallaces' Farmer and Iowa Homestead is sponsoring radio and TV broadcasts of the semifinals and finals in the 1956 boy's state high school basketball tournament. Games listed below will be brought to you over KRNT radio and KRNT-TV, Channel 8, with commentary by Al Coupee, popular Iowa sportscaster.

Radio

Friday, March 16

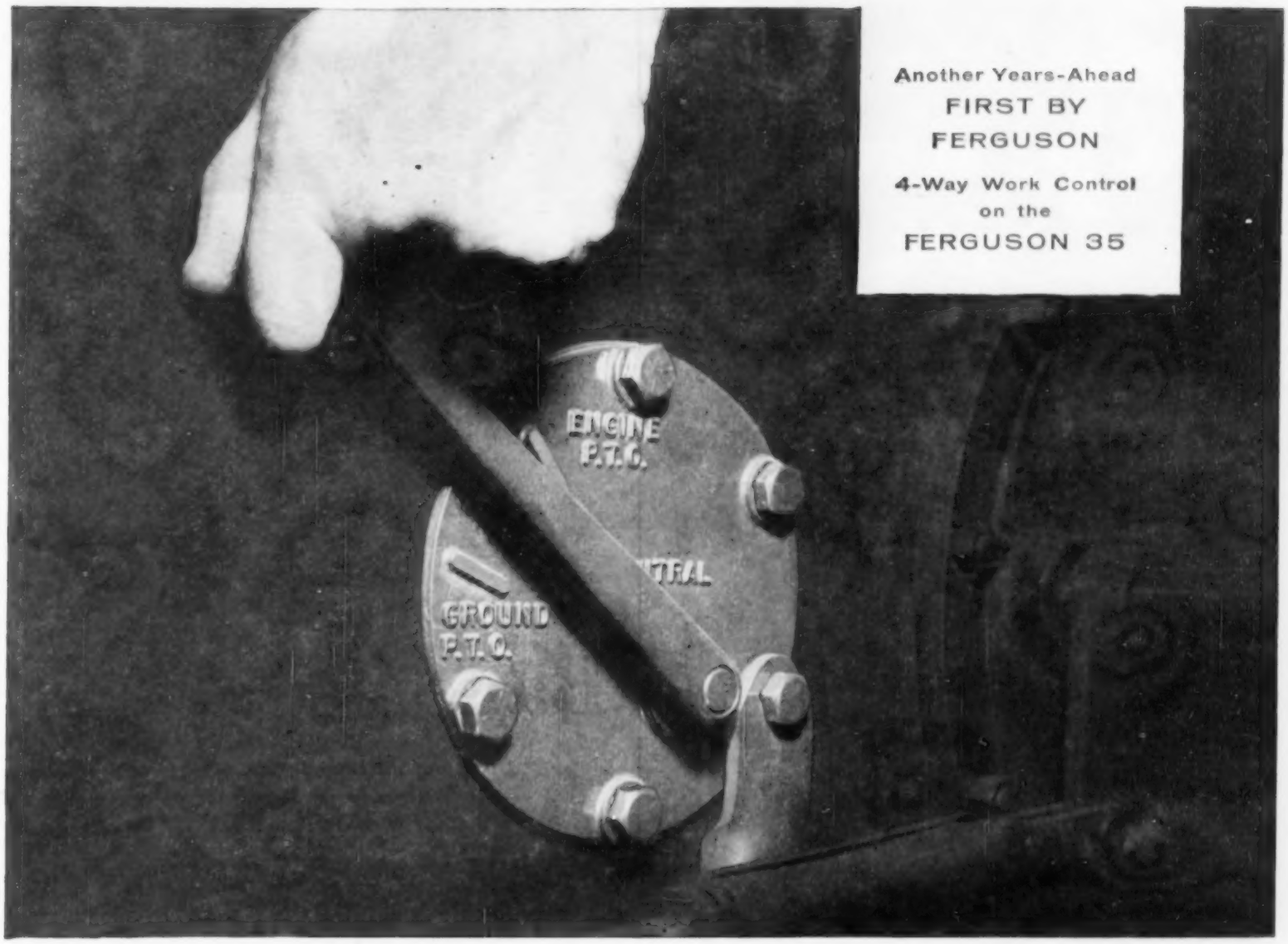
"B" semifinals ....1:30 p.m.
"A" semifinals ....2:45 p.m.
"B" semifinals .....7:30 p.m.
"A" semifinals .....8:45 p.m.

Saturday, March 17

"B" finals .....7:00 p.m.
"A" finals .....8:15 p.m.

TV, Saturday, March 17

"B" finals .....7:00 p.m.
"A" finals .....8:15 p.m.



How Ferguson Variable-Drive PTO Provides Both Ground Speed and Engine Speed Drive

At last! *One* tractor that lets you operate PTO-driven implements at either *ground speed* or *engine speed*, depending upon the need.

Simply move the lever to "Ground" PTO and you're ready to do a perfect raking job . . . distribute seed or fertilizer evenly in direct ratio to ground covered—because the PTO shaft will always revolve the same number of times per foot of forward travel, regardless of tractor speed.

Or you can select "Engine" PTO and the shaft rotates in ratio to *engine* speed for such jobs as harvesting, mowing, belt work. It's that simple. *It's that convenient!*

And, in addition, you get those other 4-Way Work Control features that have come to mean so much to Ferguson owners: Quadramatic Control, Dual-Range Transmission and "2-Stage" Clutching—all designed to help you farm more, work less.

Ferguson Dealers have had *years* of experience in sales and service of the *original* Ferguson System. Call your local Dealer today for a demonstration of the Ferguson "35" . . . and *feel the difference* on your day-to-day jobs. *Ferguson*, Racine, Wisconsin.

Ferguson

FOR HARVESTING you'll use the power take-off that's driven directly from the engine.

SEEDING-FERTILIZING utilizes "ground" drive for even distribution at uniform rate.

WIN FREE VACATION for 2!

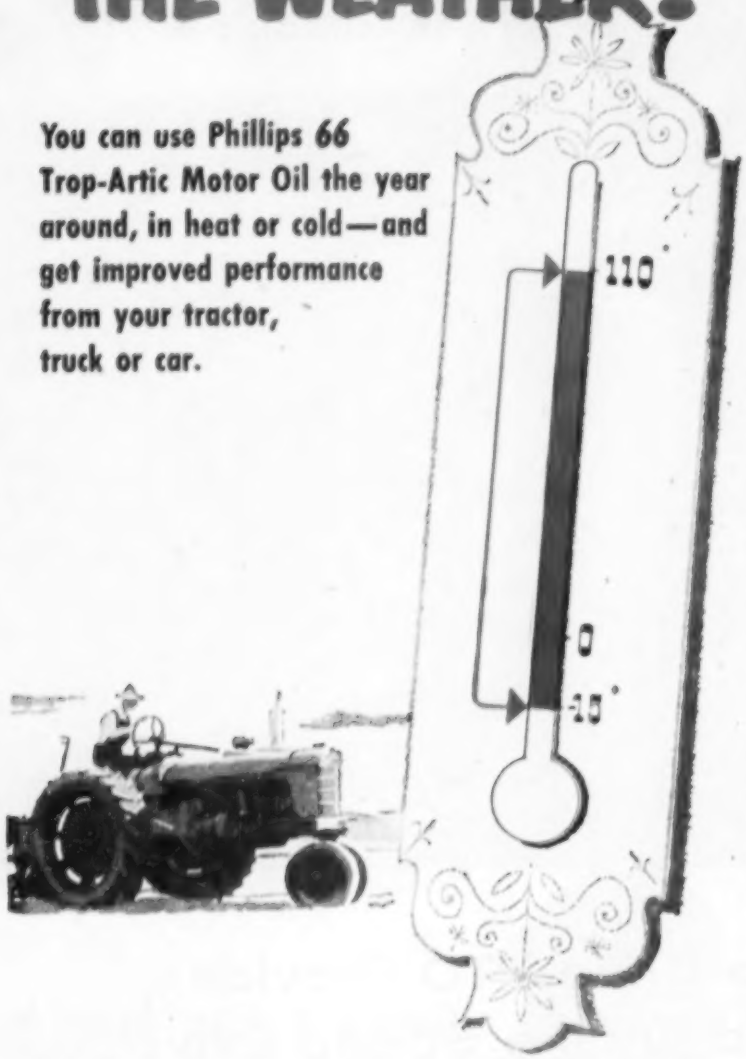
Exciting travel vacations to London and Paris . . . Hawaii . . . Caribbean Islands . . . Cuba . . . New York City.

Ferguson Dealers have contest entry blanks. Nothing to buy or write.

"GO PLACES WITH FERGUSON"

A MOTOR OIL THAT OUTSMARTS THE WEATHER!

You can use Phillips 66 Trop-Artic Motor Oil the year around, in heat or cold—and get improved performance from your tractor, truck or car.



Why lay in two or three different motor oils for different seasons, when you can use TROP-ARTIC the year around? The reason TROP-ARTIC takes the place of three oils is that it combines the advantages of SAE 10W, 20 and 30. It flows quickly like a winter oil in a cold engine, yet when the engine gets hot TROP-ARTIC retains the heavy "body" of a summer oil. And it also acts as an "in-between" oil.

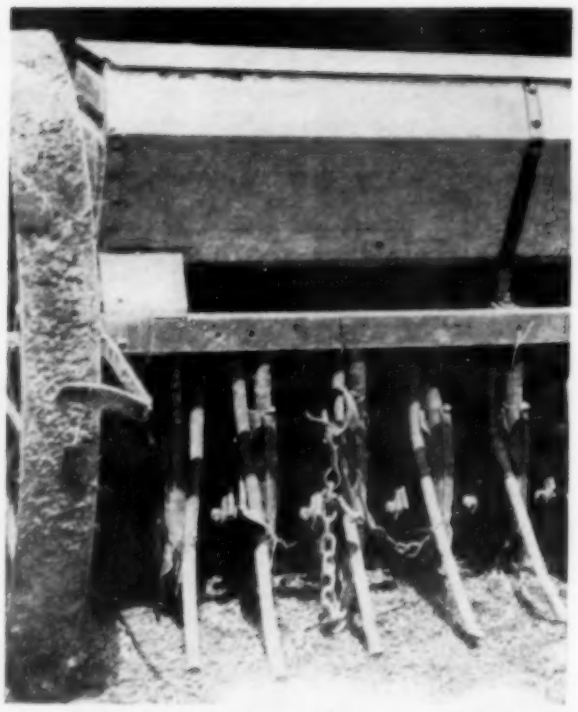
TROP-ARTIC gives effective lubrication and engine protection throughout the whole range of engine temperatures and it can reduce wear as much as 40% compared to older types of oils. Another advantage is that it reduces friction, especially in a cold engine. This makes starting easier, and saves gasoline, too.

Tests have shown oil consumption is usually reduced by switching to TROP-ARTIC . . . as much as 45% in some cases.

So get TROP-ARTIC All-Weather Motor Oil from your Phillips 66 Dealer or your local Tank Truck Driver, who offer a complete line of Phillips 66 Oils and Greases for all types of farm equipment. You can buy Phillips 66 TROP-ARTIC in bulk as well as in cans.

PHILLIPS PETROLEUM COMPANY

IT'S PERFORMANCE THAT COUNTS!



Home-made unit for band seeding. Note hoses which funnel seed from front-mounted grass seed box into a band behind the drill. On the Wendell Williams farm in Henry county, Iowa.

Band seeding..

. . . means putting grass seed in a row directly above a band of fertilizer. If you have a drill, it's worth a try

BAND seeding your grass and legumes offers two big advantages. (1) You can reduce seeding rate by at least one-fourth. (2) You increase the chances for a good seeding.

Here's why the seeding rate drops. All the seed is covered to the proper depth—one-fourth to one-half inch. Or left on the surface so it can be covered properly.

A tiny legume or grass seed contains but little food for the new seedling. So it must start making its own way fast. There's no time for it to grow up thru an inch or two of soil.

With broadcast seeding, enough extra seed must be used to allow for that which gets buried too deep in the soil.

Here's why you may get a better stand.

Getting the seed in rows over the fertilizer band is important.

That starts young plants off on the run—ahead of weeds and the companion crop. Small seedlings of grasses and legumes have limited root contact with the soil. Fertilizer in a band right below the seed provides plenty of food in the limited root zone.

Now, how do you get the band seeding job done?

Any new drill you buy is likely to be equipped for band seeding. You'll want to check to be sure.

Almost any older drill that applies both small grain and fertilizer can be converted to band seeding.

If the drill does not have a grass seed box, you can mount one on it. The necessary units are available from a number of implement companies.

If your drill has a grass seed box, it can be converted to band seeding. You can buy a conversion kit. Or you can make your own changes.

Drills with grass seed boxes usually drop the grass and legume seed ahead of the disk that opens the soil for small grain and fertilizer. That means that some of the grass and legume seed gets covered too deep.

To change this, just attach hose or tubing to seed cups on the grass seed box.

Use the hose to funnel the seed into a band directly above the band of fertilizer, and a few inches behind the disk.

Brace the hose so it drops the seed from nine to 16 inches behind the disk. The faster you pull the drill, the farther back the seed should be dropped. Seed is left on the surface so you can get accurate covering with a cultipacker. Or you can leave it on the surface to be covered by rain.

Locate the hose so the outlet is about two inches above the soil when the drill is placing fertilizer one to two inches deep. Additional height scatters the seed too much.

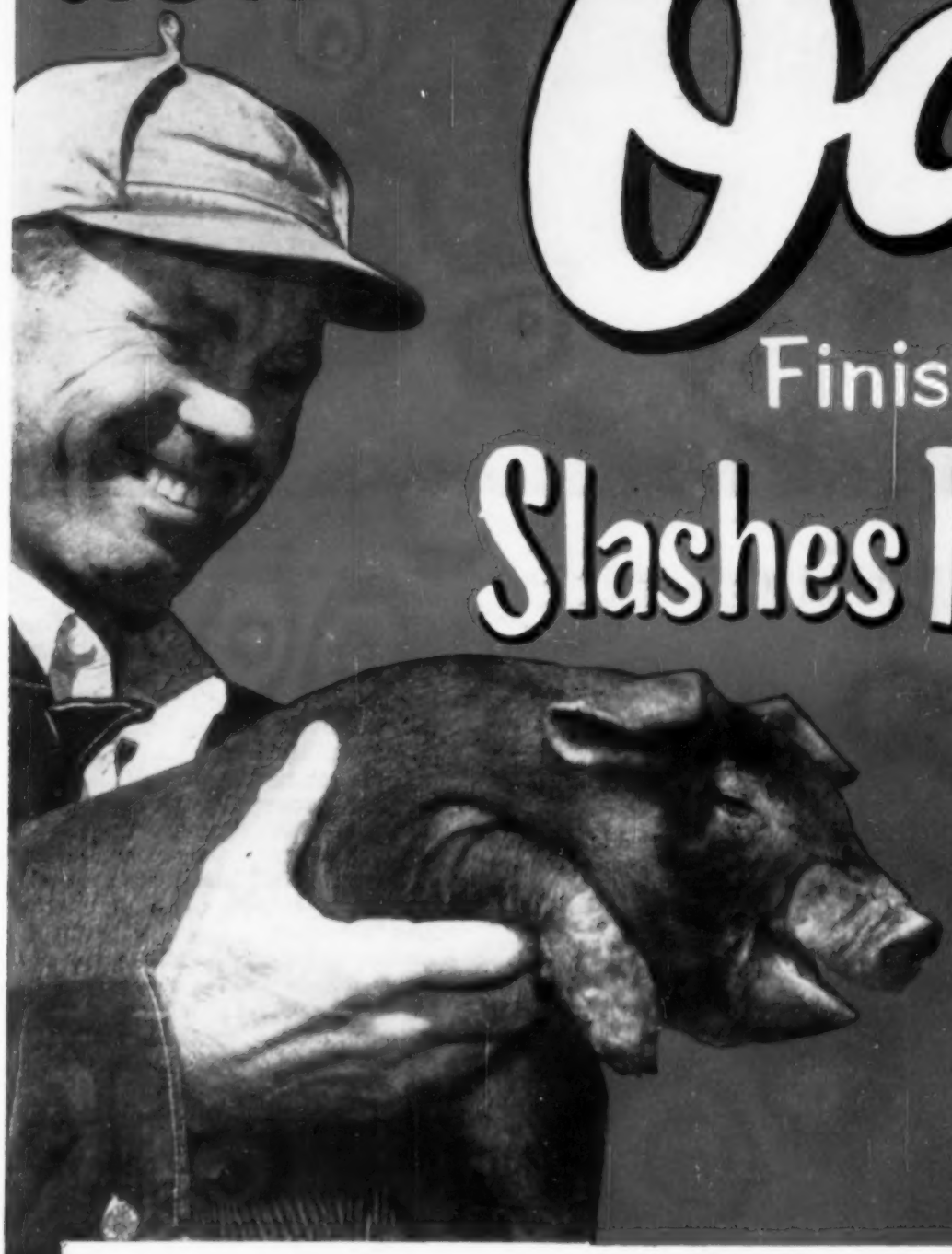
And any seed that is much over a half inch to one side of the fertilizer band may miss the shot-in-the-arm from fertilizer.

Keep the hose slanting downward all the way from the seed cup to the outlet. Otherwise, seed may lodge in any horizontal portion of the tube and give uneven distribution.

The job can be done with a few dollars worth of materials and some time in your workshop. No special skills are needed.

THERE IS ONE advantage to the clothing shortage. Ours are so old they are back in style. —Dayton Review.

NOW the Occo Start to Finish Hog Plan Slashes Feed Cost



Occo gives you a proved plan that can guarantee hog profits. The Occo plan works because it is based on controlling your feed costs.

With the Occo plan, you buy very little purchased feed, and you know how much that can save you—as much as 50% on your feed bill.

Here's How the Occo Proved-Profit Plan Works.

It's Based On Three Steps, Carrying Through The Feed Cycle Right Up To Market Day . . .

1. At farrowing time, start those young pigs on Occo baby pig starter. Get them going fast and more of them will live. This means a bigger potential yield on your pig crop for you.

2. Cheap feed them this spring and summer on the Occo pasture plan. This is the cheap cost plan that gives top results. Get the benefit of nature's free protein found in good pasture.

3. Get them to market with the Occo Cheap Finish Program. Don't overfeed with expensive protein. With Occo you buy only what you need—there's no wasted protein. Save feed cost with Occo and Finish 'Em Cheap.

HOW DO YOU GET STARTED ON THIS PROGRAM?

EASY . . . Your Occo Serviceman will call on you within the next few days. He will explain about Occo Baby Pig Starter, the Occo Pasture Plan and the Occo Cheap Finishing Program. He will show you how much you can save on purchased feed . . . how you can help reduce the problem of low prices on market day. Let him outline the program for you. If it makes good sense to you . . . get started right away. You'll be feed dollars ahead.

OELWEIN CHEMICAL CO.
Oelwein, Iowa

Occo

A Trusted Name Among Livestock Men

Enlarged farm—Leonard Miller (right), of Union county, Iowa, talks over the land situation with Joe Knock, president of the Iowa State Savings Bank at Creston. Farming since 1932, Miller thru an exchange recently added 80 acres to make total holdings of 400 acres. "I had the help (two boys)," he says, "and it wasn't going to cost me any extra for machinery." But, Miller admits, the price tag on the new farm was the highest in 25 years.

Yes, land prices are higher, but....

Recent sales aren't based on farm income

A LOT of people keep suggesting that because land prices remain high, nothing very serious can be wrong with agriculture. They go no further in their diagnosis. They do not see the more important thing, the dangerous, continuous "bleeding" also going on now as a result of low prices.

This situation reminds me of the two cops who came upon a knifing victim in an alley. As one officer bent over the prostrate form, the other asked: "Is he really hurt?"

"Two of the wounds are fatal," the first officer reported, "but the other one ain't so bad."

How can we stop this continual talking about the "other wound that ain't so bad?" It has done the farmer untold harm among our non-farm population.

This is not to say that Corn Belt land prices today are not actually standing at the highest level since the land boom of 1920, despite drouth and low prices. On a recent swing around Iowa, I found that what Secretary Benson has said is true. But I also found out some other things he does not stress, which are equally true.

Take land prices first. In our central Iowa vicinity, top improved farms today are starting at right close to $400 per acre. The advance in price over the past 15 years is astonishing. In 1941, the state average was $88 per acre; in late 1955, $215. (See tabulation at lower left.)

Land values in Iowa

Year	Grade of Land: High	Medium	Low
1941	$120	$ 90	$ 55
1945	196	139	85
1950	284	194	114
1951	311	204	122
1952	307	201	120
1953	293	190	110
1954	304	197	113
1955	318	207	119

Now who's buying land at such figures in these times? And why?

In some cases, the buyers have been outsiders, looking for an investment or perhaps just something to be "proud of." Next there is the retired farmer or other local man with some money who feels more confident in the ownership of land, even at a dear price, than in pieces of paper (stocks, bonds, etc.).

Then there is the man who suspects that this farm situation may get worse before it gets better. He sees his salvation in a little larger operation, and so he buys extra ground, if the opportunity offers. His reason for buying is not always, as sometimes inferred, because he has unbounded confidence in agriculture's immediate future.

Land prices, tho, have been kept high fully as much by the scarcity of offerings as by active demand. It's really a very thin market that only a small increase in offerings could soon deflate.

Some owners are tempted to sell but back out when they find out what they would have to pay in capital gains taxes. Then, too, some have difficulty deciding where they would invest the money elsewhere after they get it.

An occasional owner-operator delays selling out, because he wishes to qualify for social security payments. Or he may just prefer to stay on the farm as long as he is able, now that the family home, thanks to electrification, is at last fairly convenient and comfortable.

So, all in all, we have a tight situation in land, in the midst of a serious drop in farm income. This is a baffling development, when we take a note that the income returns from land have been falling steadily from 1952.

These returns in 1955 amounted to about 4.3 percent of the land's valuation, compared with 5.9 percent three years earlier. They were only about one-half of those for 1942 and 1943, about the same as in 1910-14 and a little lower than in 1935-39.

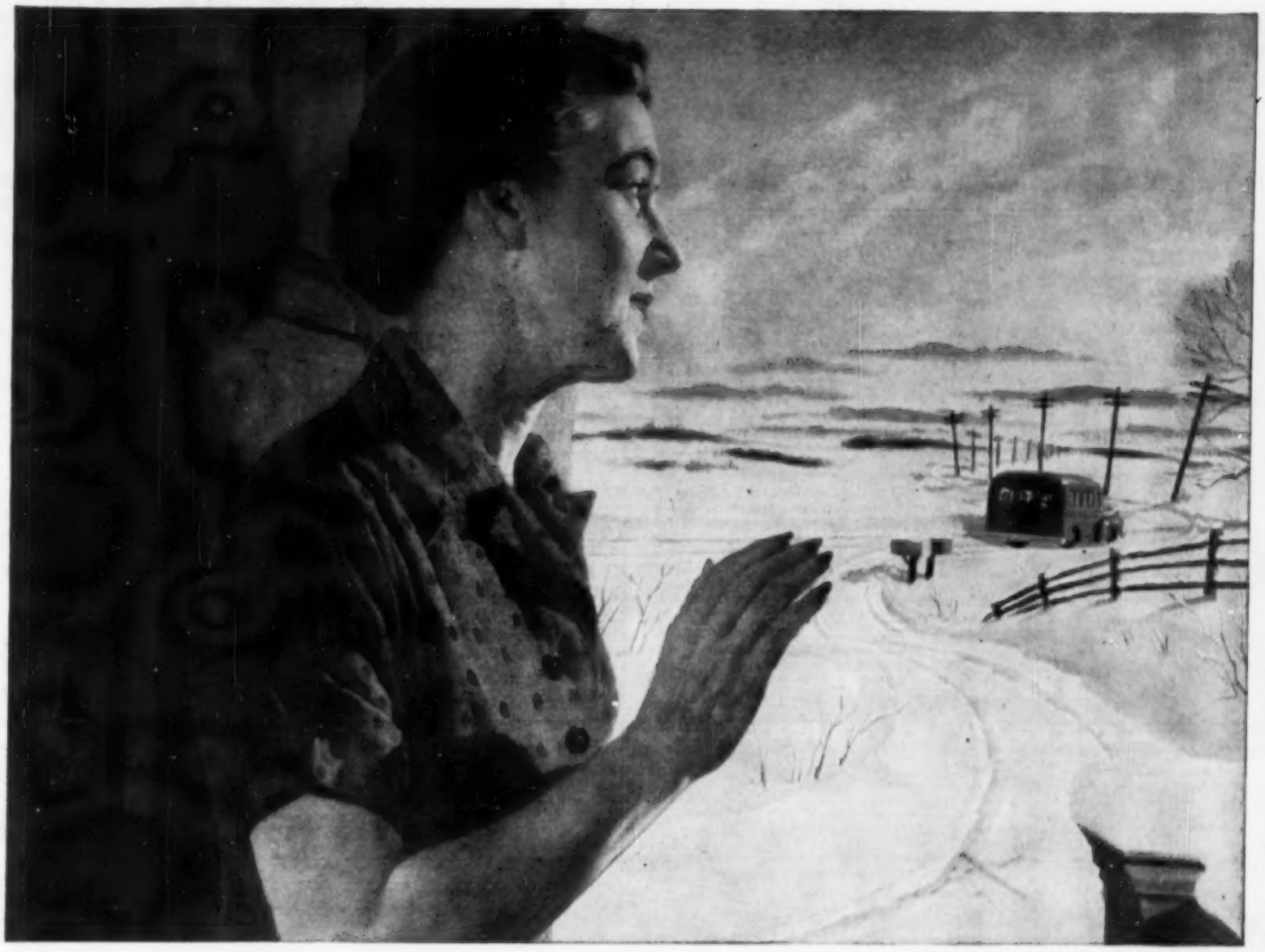
However, the historical record also shows that land price changes always have lagged behind changes in the trend in farm income by from six to 12 months. Thus by next fall, and possibly by early summer, we might see some softening in rural real estate. The current income slump has been very hard on livestock feeders who furnished the strength to the land market a few years back.

One way to neutralize the unfavorable effect of all this high land price talk is to chat with the lawyers now filling out income tax returns.

This year, the accrual method of reporting—used by most large operators—is resulting in shocking downward adjustments in net worth.

A farm management specialist told me that record books from just about any part of the state are averaging income drops of from 60 to 70 percent, after taking into account the decline in value of machinery, livestock and other personal property.

Even farmers who are in pretty good shape and who seemingly would have very little to worry about, are beginning to wonder where we are heading. By raiding their savings, they can keep going a lot longer than we did back in the '30s. But why, they ask. They are not much more amused than the rest of us when some city fellow offhandedly says farmers can't be hurt much, in view of land prices.—Art Thompson.



What is a Farm Mother?

Well, that depends on whom you ask:

To her son, she's something with jobs that leave him no time to play.
To her neighbors, she's a person to turn to for help.
To her daughter, she's someone who always needs help.
To the mailman, she's a name on a letter.
To her chickens, she's an egg-taker.
To the dog, she's food and drink.
To the storekeeper, she's a customer.
To her preacher, she's a child of God.
To the artist, her face is stamped with all humanity.
To the unobserving, she's a face in the crowd.
To her mother, she's still a child.
To her husband, she's a reason for living.

So you see, it depends entirely on whom you ask. Actually, this woman is all of these and more. For one thing, she represents woman at her best . . . one who bears children . . . who knows the dignity of work. . . and one who bows humbly before God. She is a woman who lives by the whims of nature, but lives without bitterness. And what is this woman's function? It is to raise her children to work and love, for they are the hope of tomorrow and they, and their children, are her immortality. Her hopes and dreams are hopes and dreams for her children's good lives.

Working beside her husband, the farm wife helps feed the children of other mothers throughout the world and helps supply the raw materials for our industry, for more than 75% of our total farm crop is changed in form for the consumer and industry by companies such as Cargill, companies known as Creative Processors.

As the job of the farm mother is caring for her children and feeding the children of other mothers, so the job of Creative Processors like Cargill is to serve the farm family. Cargill takes the farm crop to market . . . and if that crop must be changed in form to be sold . . . then Cargill must change it. If new markets must be found for crops, then Cargill and Creative Processors such as Cargill must find those markets. But in addition to transporting and processing farm crops, Cargill serves the farm wife through research. Each day at Cargill we work to find better ways, and easier ways of farming so that the children of the farm mother may know a better life.

We at Cargill pledge ourselves to continued support of our free farm economy and to continued research, in order to maintain the support and respect of the person we most respect and bow humbly to . . . The American Farm Mother.

Cargill

80 Years of Creative Processing of Farm Products

CARGILL

For free color reprints, suitable for framing, write Cargill, Inc., 200 Grain Exchange, Minneapolis 15, Minn.

Breeze Through the Planting Season with Confidence

WITH a John Deere Corn Planter behind your tractor, you'll take to the field with a triple confidence—confidence that you are placing seed in just the right amount and at just the right depth . . . confidence that you are covering more acres every hour without the slightest sacrifice in planting efficiency . . . confidence that your planter will see you through the season with the least delay and maintenance cost.

There's a big advantage, too, in being able to choose just the type of planter that suits your needs best—drawn-type or integral, in either 2-row or 4-row size. All have those same features that have made John Deere Planters famous for accuracy—Natural-Drop seed plates, sloping hopper bottoms, and many others. All have adjustments and special equipment to adapt them for your particular soil conditions.

Let your John Deere dealer help you choose a planter that will assure you of fast, low-cost planting, better corn stands, and bigger yields.

JOHN DEERE Corn Planters

The John Deere No. 490 Drawn-Type Corn Planter, above, check-plants at speeds up to 5 miles per hour, drills even faster. Shown in the inset is the No. 290 2-Row. Both planters are available with or without fertilizer attachment.

Above: Pictured here is the John Deere No. 446 Lift-Type Corn Planter which provides new ease of transport and new field maneuverability. Available also is the No. 246 2-Row Lift-Type Corn Planter.

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Town _____

State _____

Question farmer's tax return

Here are pointers on what to do if tax officials should call you in

To the Editor: A government man questions my income tax returns. He wants to see records for several years back. What should I do?—J. S., Lee county, Iowa.

It's usually best to cooperate and give him access to your records. But don't sign any papers right away.

He can get information about your sales and bank account whether you help him or not. And he can "construct" your income by the "net worth" method.

You'd better help him get the information than to make him find it himself or use the "net worth" method.

Remember this: Tax officials have to give you notice of extra taxes due. They must also give you time to reply. And you can ask for a hearing.

So keep your name off any papers admitting error, until you are sure you made a mistake, or that you don't want to ask for a hearing.

If any large amount of tax is at stake, you will want to consult a lawyer or tax accountant.

Sometimes, however, you may find mistakes on your income tax return yourself. Here is another letter.

To the Editor: I know now that I made a mistake on my income tax return filed in early February. What should I do?—T. M., Gentry county, Missouri.

File an amended return. And be sure that the return is marked "amended." That will insure that you get credit for correcting mistakes.

If you paid too little tax on your first return, pay the difference when you file the amended return. And add six percent annual interest for the past-due period. If you paid too much tax, ask for a refund.

This year a lot of farmers made mistakes on their self-employment tax.

If by any chance you made this kind of mistake, your return should be amended. Your benefits after 65 will be based on the self-employment income on which you paid tax. Monthly payments are based on monthly average earnings. So it's in your interest to have the return correct.

What can you do to protect yourself against mistakes whether found by revenue officials or yourself?

It's the same old story—keep your records together. Here's a method used by one farmer.

At the end of each year, he gets a box letter file which can be bought for about $1.50. Then he puts income tax returns, account book and all bills and receipts for the year into that file. Then each year's records are all together if needed.

Farm business records for years past, such as this method provides, will not only be useful as a defense against income tax investigators. You'll refer to them often to answer other questions that come up.

Farmers Tax Saver

is both account book and income tax help.

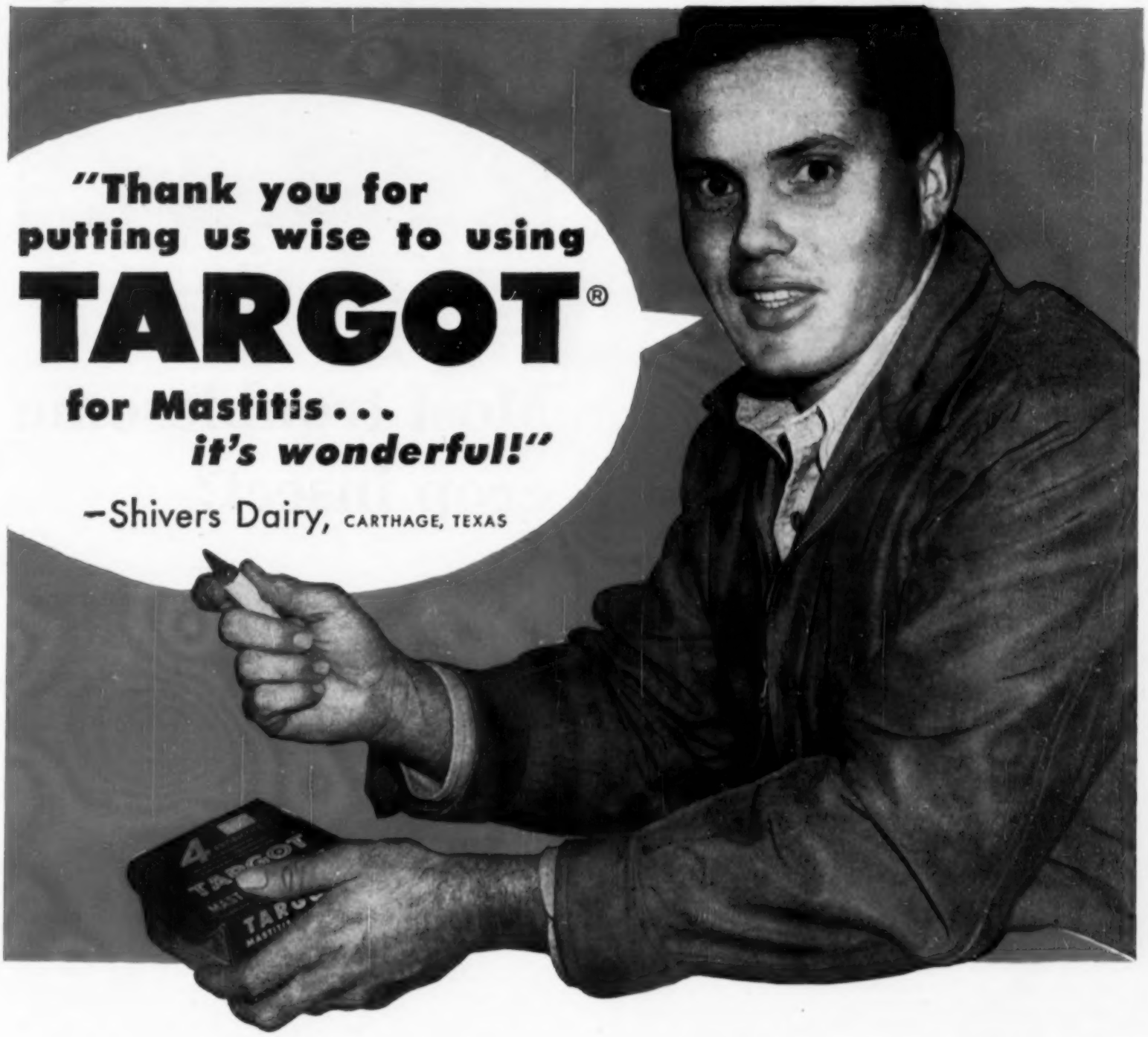
Jack Miller is author of the "Farmers Tax Saver." Mr. Miller is a member of the Iowa legislature and wrote the simplified Iowa state income tax law now in force. He is a recognized authority on income tax law and is a former chairman of the American Bar Association's committee on tax problems of farmers.

HOW FARMERS TAX SAVER CAN HELP

1. **Provides 22 pages for writing down receipts and expenses; 40 pages of income tax explanations.**
2. **Explains Social Security as it applies to farmers.**
3. **Provides depreciation schedules, tax tables, etc.**

HERE'S HOW TO GET YOUR COPY

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Your copy will be mailed postage free.



H. Grady Shivers, Sr. owns the Shivers Dairy, 4 miles northwest of Carthage in Panola County, Texas. His son, Grady, Jr., assists him in operating the 460 acre, 60 cow dairy.

Like all dairymen they had experienced some trouble with mastitis and had either lost part of some cows' production or, in other cases, had to cull the cows from the herd.

"We tried one thing—then another—anything a dealer would have on hand", Grady, Jr. said. **"Some of the medicines seem to do fairly well, some no good at all."**

Then the Shivers heard about TARGOT MASTITIS OINTMENT on a farm radio program directed by Jack Timmons at Station KWKH, Shreveport, La.

"Jack said it was 'wonderful'", Grady, Jr. said, **"and we took him at his word and tried to buy some even before it was available locally. I believe we were the first to use TARGOT in this area."**

The Shivers were so highly pleased with the results of TARGOT (**"It would clear up the trouble almost over night,"** Grady Shivers, Jr. said) that they voluntarily wrote Farm Radio Director Timmons.

They said **"We want to thank you for putting us wise to using TARGOT for Mastitis. We had used many things but after hearing you discuss TARGOT, we tried it and have found it just as you say—it's wonderful."**

Grady Shivers, Jr. also reports, **"Have told several neighboring farmers about TARGOT and they like it. We were anxious to try it in the first place because we have used other Lederle products and found them very good."**

Have you used TARGOT yet? If not, try it next time your strip cup says, "Mastitis!" Remember, TARGOT gives stronger but gentle action — it contains 4 powerful, fast-acting antibiotics—AUREOMYCIN® Chlortetracycline, Neomycin, Dihydrostreptomycin and Penicillin—to get your affected cow back on the milking line with least loss of production.

TARGOT is available from your veterinarian, druggist or feed dealer.

ALWAYS ASK FOR TARGOT BY NAME

Lederle — LEDERLE LABORATORIES DIVISION | AMERICAN CYANAMID COMPANY | PEARL RIVER, NEW YORK

NOW! Sugared INSIDE And OUT

for Even Greater Appetite Appeal

GOOCH'S BEST Sugared Pig Booster with GroLac

FASTER GAINS for Your Baby Pigs

at the Time When Pig Gains Cost Least!

Sugar-Coated- TO START 'EM FASTER

Baby pigs really "go" for the heavy coating of genuine cane sugar on GOOCH'S BEST Sugared Pig Booster. It has the "appetite appeal" that attracts baby pigs and gets them started eating solid food as early as 5 days; provides them with a nutritionally sound ration that helps pile on money-saving early gains.

Sugar-Packed- TO KEEP 'EM GOING

Now, each pellet of GOOCH'S BEST Sugared Pig Booster is sweetened through and through, tempting baby pigs to eat the entire pellet—and keeping them coming back for more! Eliminates nibbling and choosing! Speeds low-cost early gains by making pigs eat better—adding extra pounds at the time when pork gains cost least.

GroLac and Antibiotics- 2 High-Powered Extra Growth Boosters

Because baby pigs start eating Sugared Pig Booster early, they get off to a faster start on growth-stimulating antibiotics (which also help protect against scours and other infections) and Gooch's exclusive GroLac that gives a further boost in nutritional power. These extra growth factors in GOOCH'S BEST, combined with essential energy, minerals and proteins, can develop pigs weighing 50 lbs. and over at 8 weeks.

YOUR GOOCH DEALER can supply you with the new, improved Sugared Pig Booster — the HIGH ENERGY, HIGH VITAMIN, HIGH ANTIBIOTIC Pig Starter with Unequalled Palatability.

KEEP YOUR PIGS OUT AHEAD WITH THE GOOCH "TEAM OF FEEDS"

- GOOCH'S BEST SUPER PIG SUPPLEMENT. Feed from 6 weeks to 75 lbs. Combines with your farm grain (only ¾ lb. per head daily) to make a complete ration.
- GOOCH'S BEST SUPER "40". From 75 lbs. to market, feed this high antibiotic supplement to balance your farm grain (½ to ¾ lb. per head daily).

SPECIAL OFFER

Litter-Size CREEP FEEDER

only $2.45

with your first purchase of 100 lbs. or more of GOOCH'S BEST Sugared Pig Booster.

- Feeds 10 pigs to 3 weeks
- 16-Lb. Capacity
- Sturdy Galvanized Steel Construction
- Regular $3.20 Value

Your Gooch Dealer has these sturdy litter-size creep feeders now. See him today.

GOOCH RED CIRCLES ARE VALUABLE Collect and trade them for valuable merchandise!

GOOCH FEED MILL CO.

Lincoln, Nebraska — Salina, Kansas
Council Bluffs, Iowa — Dalhart, Texas

The corn borer was the biggest insect worry of Iowa farmers in 1955. Picture shows Dr. Harold Gunderson of Iowa State College explaining borer control recommendations to a group of central Iowa farmers early last summer.

Most troublesome crop insect?

Corn borers head the list; Grasshoppers ranked second

"LOOKING back over the last year, what crop insect would you say caused the most trouble for you?"

The Wallace-Homestead Poll put that question to a cross-section of Iowa farm operators in December. Each farmer was asked to check only one of the following list. Here's how they answered:

Sweet clover weevil	1%
Grasshopper	26
White grub	0
Corn rootworm	3
Army worm	0
Clover leaf hopper	2
Corn borer	62
Cutworm	0
Wireworm	2
Webworm	1
Other	3

Two things are pointed up by the above answers: (1) Widespread infestations of borers and hoppers, and (2) heavy damage often results from borer and hopper attacks.

Borer infestations could be found during 1955 in practically every part of Iowa. And hoppers were thick across the southern part of the state.

Every farmer knows that wireworms, for example, can wreck a corn stand and reduce yields severely. But wireworm infestations may vary from field to field—depending on cropping history and soil conditions.

Also to be remembered is this fact: Farmers were asked to name only one insect. For example, some farmers may have had serious trouble with cutworms; but they considered their corn borer or grasshopper troubles more serious.

So the threat of some of the insects listed above is not clearly pictured by answers to the poll question.

Now, what about the coming crop season? Which insect will cause you the most trouble?

Nobody can give a positive answer to that question right now. And it isn't likely that all farmers will agree on a single one next fall—anymore than they did last December.

But you can bet that a lot of farmers will have trouble with borers and hoppers again in 1956—if conditions continue to be favorable for development of those insects.

Insect control experts at Iowa State College have warned that both borers and hoppers are a potential threat to 1956 crops.

They point to the fact that Iowa's corn borer population last fall—altho down from the preceding fall—was third highest on record. Heaviest infestations were found in southern and eastern parts of the state. But infestations thruout the state were heavy enough to produce a big crop of borers in the coming crop season.

Grasshopper numbers across the southern part of Iowa also have been building up for several seasons. And with favorable weather, hoppers could be a serious threat to Iowa crops in 1956, the insect experts warn.

Fortunately, the chemicals to combat these insects effectively and economically are available.

The new, granular form of DDT will be on the market this season. It may make corn borer control easier and faster for some farmers. And spraying or dusting with DDT has been proved again and again.

For control of hoppers, several insecticides are highly effective. Included in the recommended list are heptachlor, aldrin, toxaphene, chlordane, lindane, dieldrin and BHC.

Most important point to remember in controlling hoppers is to hit them early, according to the insect experts. Kill the hoppers in hatching areas early in the summer. Control is cheaper and more effective if you do it at that time.

LOOKS HEALTHY, BUT IS PROBABLY WORMY . . .

Not every wormy hog is sickly—worminess may show up merely through slow growth, runtiness, poor feed conversion, general unthriftiness—all these may be symptoms of worms. The new, quick, sure, one-dose way to free pigs of roundworms and nodular worms is with

Parvex

TRADEMARK

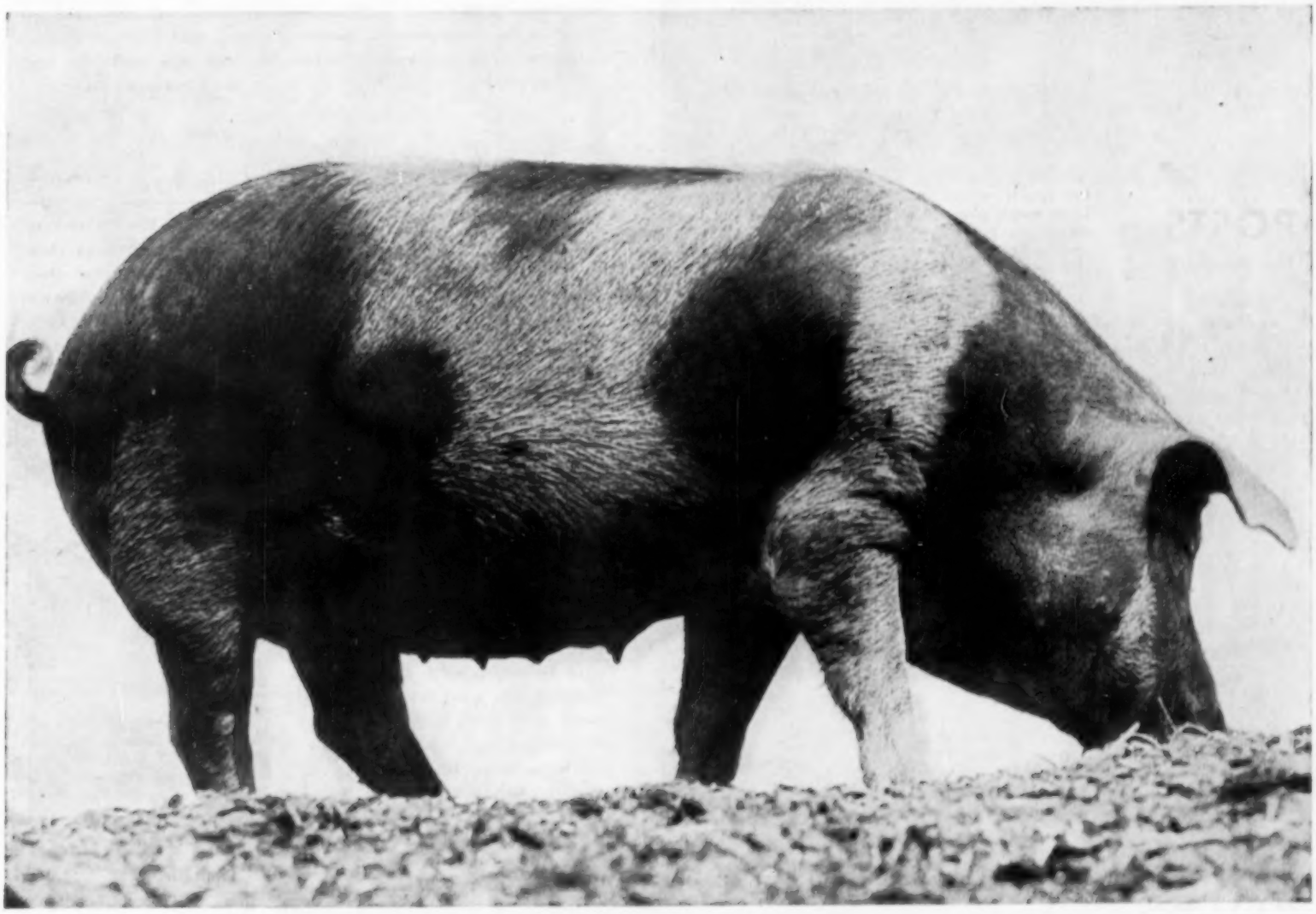
NEW—recently introduced; nothing else like it on the market.

QUICK—as quick as putting PARVEX into the morning feeding.

SURE—up to 100% effective against roundworms and 85% against nodular worms.

GENTLE—no setback, no going off feed, no loss of weight as result of treatment.

INEXPENSIVE—costs only about ten cents to treat a thirty pound hog.



You can eliminate the parasite hazard before farrowing!

When used as recommended, Parvex can be given as late as two weeks before farrowing. If the sow is free of worms, there is a better chance for the baby pigs to grow up free of worms. This means market weight at an earlier age, better feed conversion, less expense, more profit. Get PARVEX from your druggist or veterinarian.

Upjohn

VETERINARY SALES DEPARTMENT

The Upjohn Company, Kalamazoo, Mich.

DOW

PENTA*

adds years of service, saves your money by keeping rot and termites out of wood

POSTS
for fencing

Pressure-treatment† with proved *PENTAchlorophenol keeps sturdy posts *sound* for years of added life, leaves them naturally colored and *clean* for easy unloading and setting. These 3" PENTA-treated posts assure long-lasting line fence for Mr. Edward J. McCarthy, farming a mile north of Olewein, Iowa.

POLES
for buildings

This strong, versatile 52' x 52' pole barn (poles and splashboards are PENTA-treated†) gets use as a storage shed, and doubles as a cattle and hog shelter. Mr. Glen Hartz, right, stores 3,000 bales of hay in this shed on his farm two miles north of Blairstown, Iowa. Plans are now widely available for low-cost, highly wind-resisting pole barns, machine sheds, corn cribs, other structures.

†When treated according to U.S. Government Specifications TT-W-571.

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DOW

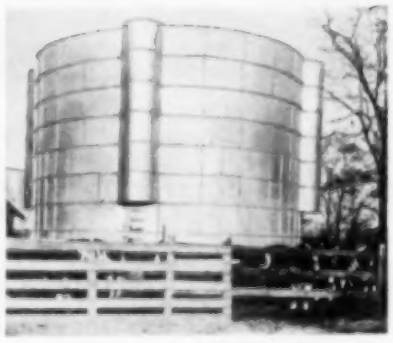
What's New

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. (More "What's New" articles for farm and home will be found on page 106 of this issue.)

New weapon against corn borers is granular DDT. This is a new machine designed to apply the dry insecticide. Particles of DDT are dropped into the corn whorls. Made in four and six-row models for use with high clearance sprayers and detasselers. Also four-row pull type model for use with any make tractor. Made by Noble Manufacturing Co.

Crop dryer designed especially for Iowa Concrete Corn Cribs. Cutaway view shows dryer installed. Seven-blade fan is shown in encircled portion. Since dryer is located in exact center of crib, it's said every ear of corn will be dried evenly and uniformly. Made by Iowa Concrete Crib and Silo Co.

Power-push loader is made for the International Cub Lo Boy tractor. Handles manure, hay, snow or dirt. Said to attach with four bolts. And to work wherever a tractor will go. Breakaway power is 1,000 pounds. Made by Twin-Draulic, Inc.



"Jumbo" silo is 30 feet in diameter. Holds 400 tons. Four doors and chutes make 90 percent of the silage within 10 feet of a door. Feed bunk extends entirely around silo. These features save labor. Made by Martin Steel Products Corp.

Flex-O-Fix is a new workable rubber mending compound. Applies from a tube and mends anything where rubber meets the needs. Made by Pyroil Company, Inc.

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Kenneth Puppaff, Michigan

"Cut feed bills $120 a month on 45 head."
Arch Scheudel, Wisconsin

"Cut feed bills $1,000 in 122 days on 52 head."
Oscar Benson, Illinois

"Cut feed bills $200 on 100 pigs.
Glenn Slinger, Iowa

"Cut feed costs 40% in six months—maintaining same high milk production."
Wilbur Peyton, Illinois

CUT-COST

All these farmers have one thing in common—they've cut their spending for purchased feed ingredients to rock bottom—and they still get a good job done. They know that, when properly balanced, the cheapest and best feed is what they grow right on their own farms. The only thing needed to easily and economically balance up farm feeds is MURPHY'S CUT-COST CONCENTRATES. You don't need to buy anything else because CUT-COST balances up farm feeds with the extra proteins, and the important minerals and vitamins farm feeds lack. Even the proper amount of antibiotics is included in MURPHY'S HOG and POULTRY CONCENTRATES. So with MURPHY'S, you can cut your feed bills way down, right now.

Because MURPHY'S is a concentrate, it goes further—makes your farm feeds do a better job. You get greater returns from your farm feeds. When you use MURPHY'S, you don't have to buy separate protein supplements or vitamin-mineral mixtures, or separate antibiotics. MURPHY'S CUT-COST CONCENTRATES amply supply these nutrients. So, when only such small amounts of MURPHY'S CONCENTRATES are needed to balance your farm feeds, there's no need to open the door to sickness, diseases and poor production that can be caused by straight grain feeding. So to avoid troubles—get good production—and most of all, cut your feed bills way down right now, switch to MURPHY'S CUT-COST CONCENTRATES.

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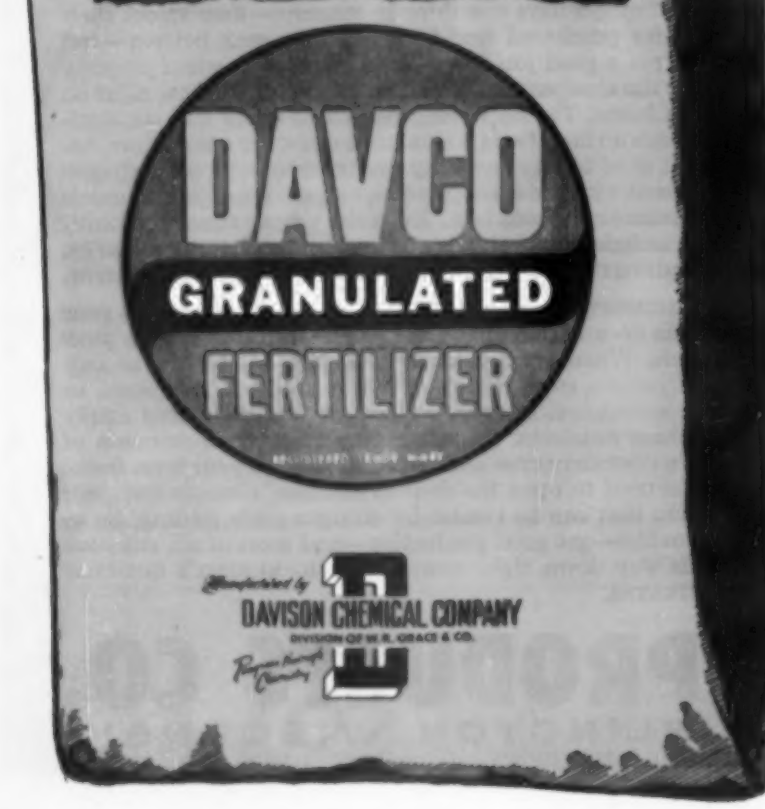


No. Orin Bradshaw of Webster county, Iowa, doesn't carry hospital insurance.

Yes. Harvey Seyb of Lee county, like half of Iowa's farmers, does carry hospital insurance.

Pay hospital expense

Almost half Iowa's farmers carry hospital insurance for families

WHEN somebody in your family gets sick and has to go to the hospital, how do you pay the hospital bill?

Do you have to sell a few more hogs, or do you carry some kind of hospital insurance? To find out how Iowa farmers deal with this problem, the Wallace-Homestead Poll asked a representative cross-section this question:

"Do you carry, for yourself and your family, any kind of hospital insurance, such as Blue Cross?"

Here is the way farmers answered:

1. Yes 47%
2. No 53

Young farmers were a little more apt to carry hospital insurance than older farmers. Farm Bureau members had a slight margin over non-members.

But if you go to the hospital for surgery of any kind, there's a doctor bill in addition to the hospital bill. How is this paid?

The Wallace-Homestead Poll asked:

"Do you carry, for yourself and your family, any kind of insurance to pay part of your doctor bills, such as Blue Shield?"

Fewer farmers were signed up for this kind of protection. Here is the vote:

1. Yes 36%
2. No 64

Again Farm Bureau members showed more interest in such insurance than non-members.

Men on farms of less than 180 acres showed more interest than those on farms of 180 acres and more. Of the smaller farmers, 51 percent had hospital insurance while only 42 percent of the larger farmers were insured.

PROTECT YOUR SEED CORN AGAINST
WIREWORMS
and other Soil Borne Insects and Fungus Diseases with ISOTOX 25 Seed Treater F

25% Lindane 12½% Captan

Results have shown that CAPTAN treated seed corn produced 4.2 bushels more per acre than seed corn treated with other widely used formulations.

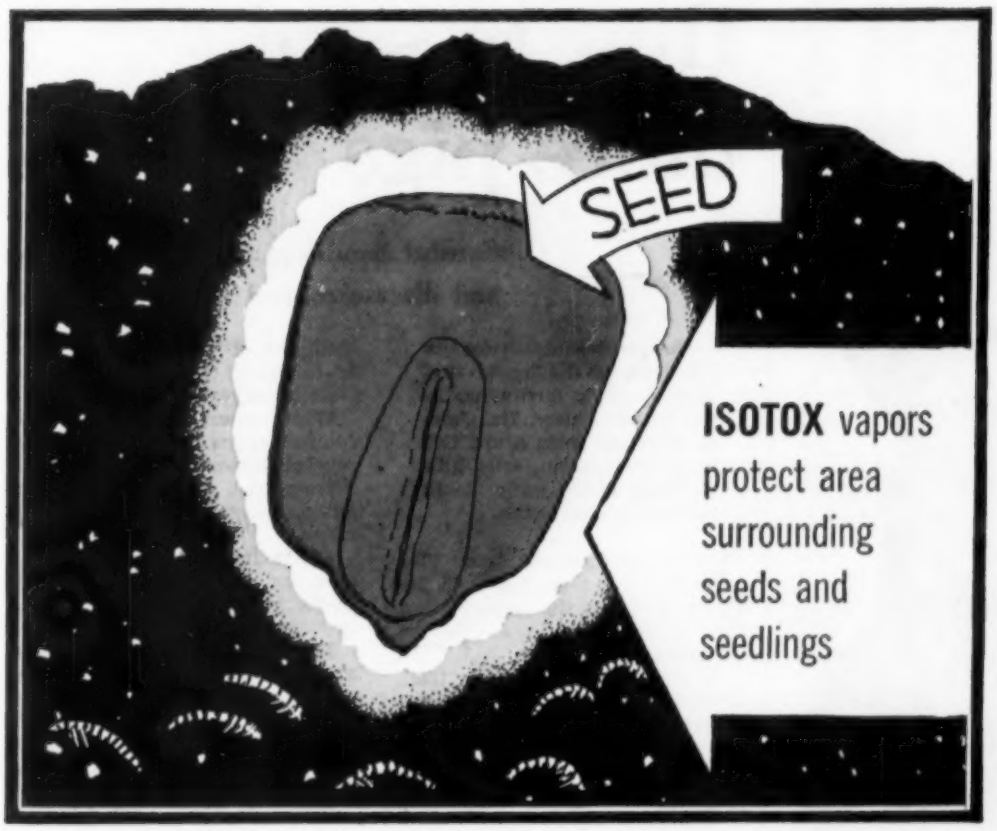
ISOTOX 25 SEED TREATER F normally increases plant population 25%. Saves time and labor of replanting due to insect damage. Costs an average of only 16c per acre. No trouble to apply.

ISOTOX 25 SEED TREATER F is distributed in Iowa and the Midwest by

Humboldt, Iowa DALE FRASER CO. Phone 1195

Dealers . . . write for information!

Insure against wireworms for only 16¢ per acre



Protects throughout early growth stage. The vapors given off by ISOTOX 25 Seed Treater F saturate soil surrounding seed, and are retained by the soil, protecting seeds during the germinating period. ISOTOX 25 Seed Treater F kills soil insects 3 ways—by stomach action, vapor action and contact action.

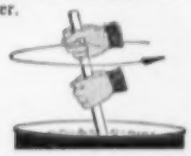
ISOTOX 25 Seed Treater F controls wireworms, seed corn maggots, and other soil insects—also gives added disease protection at planting time

It's the most effective and economical seed treatment you can buy! For only about 16¢ per acre ISOTOX 25 Seed Treater F gives you *dollars upon dollars* of crop protection from wireworms, seed corn maggots. Also gives added disease protection to seeds previously treated with fungicide.

Over 5,000,000 acres have been treated with ISOTOX Seed Treater during the past five years, proving to thousands of farmers that ISOTOX brings top germination . . . insures bigger yields, healthier stands . . . saves "extra" seed costs . . . saves time and labor of replanting due to insect damage. Last planting season, more than 20,000 *new* farmer users specified ISOTOX 25 Seed Treater F.

For low-cost "life insurance" for your crops—insist on ISOTOX—the pioneer seed treater—designed exclusively for seed treatment. Recommended for corn, soybeans, beans, cotton and many other crops.

Easy to use. Just measure out the amount of ISOTOX 25 Seed Treater F specified on label. Mix with seed in planter box or any convenient container.



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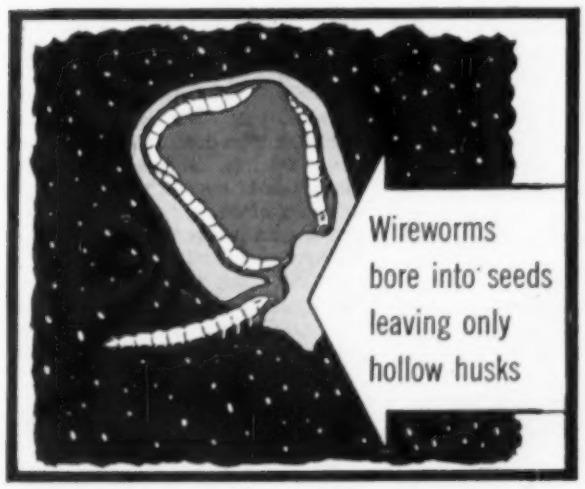
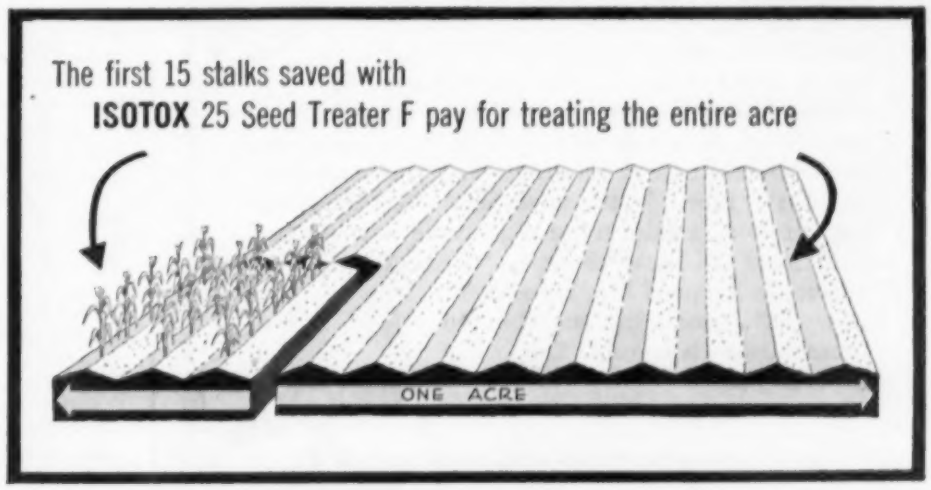


They attack both seedlings and older plants. Wireworms are tough, yellow-brown larvae that have a long cycle life in the soil—2 to 5 years. Seed corn maggots are white—smaller in size. Both species destroy the germ of untreated seeds so that seed is entirely unproductive.



Gives low-cost, high-value protection. On corn, the first 15 stalks you save actually pay the cost of treating the entire acre. So effective and economical has ISOTOX proved, that last year more than 20,000 *new* farmer users specified ISOTOX 25 Seed Treater F.

On all chemicals, read directions and cautions before use.

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1 lb. gain on only 1½ lbs. feed!

Switch pigs at 10 lbs. to Pre-Creep "TEN-20"... Watch them grow fast!

Just 1½ pounds of *Pre-Creep "TEN-20"* give you a pound of gain . . . fast gains during the critical 10 to 30 pound period! Fast gains from 10 pounds on allow pigs to switch to lower priced pig starters—earlier to rations built with your own corn. Market or rebreed your sows. Save labor by grouping litters . . . raise more pigs. Save housing too! Buy Land O'Lakes Pre-Creep "TEN-20!"

Got orphan pigs? Too big a litter? Low milk producing sows? Save those pigs with Land O'Lakes *Pig Milk Replacer!*

See your hometown

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dealer

Land O' Lakes Creameries, Inc.
Minneapolis 13, Minnesota

Partitioned farrowing pen provides separate space for little pigs. In one corner is their heat lamp. As they grow older, this separate pen will be used for creep feeding. On the Kenneth Wagner farm, Johnson county, Iowa.

How to save more pigs

Careful handling at farrowing time and disease control mean big litters

The greatest death loss in pigs happens during the first few days after farrowing. In the article below, Dr. John B. Herrick, Iowa State College veterinarian, tells how to keep those early death losses at a minimum.

MOST hog raisers agree that they have at least $5 invested in a pig the day it's born and at least $75 in a litter at weaning time.

So if you're in the hog business, it pays to save all the pigs farrowed.

Two big threats to litter sizes are losses at farrowing time and disease.

Many of the losses at farrowing time can be prevented. Sanitation, heat lamps, farrowing stalls, and dry clean farrowing pens will save pigs.

Before farrowing, you should scrub the teats and hindquarters of each sow. Then put her in a clean, disinfected farrowing stall. Or into a pen that is large enough for a heat lamp or brooder.

A normal sow will deliver her pigs in a 12-hour period. Few sows need help. If they do, handle the sow and pigs with gloved hands or surgically clean instruments. If a sow labors but does not deliver, call your veterinarian.

Provide heat for newborn pigs. A weak pig has twice the chance for survival if he is under a heat lamp. Keep pigs warm, and see that they have a chance to nurse.

Preventing anemia is important. When pigs are three or four days old, give them some extra copper and iron.

Sows and litters shouldn't be confined in pens too long. Get them out as soon as weather permits.

What about diseases, especially the so-called "baby pig diseases?"

Baby pigs diseases include a number of diseases ranging from chilling and white scours to the acute type of enteritis—transmissible gastro-enteritis.

White scours: White or slate-colored scours may be caused by several factors or a combination. Wrong diet for the sow and damp, cold pens are usually the cause.

Correcting the sow's feed, cleaning the pen and intestinal medicine for the pigs will usually clear up white scours.

Hypoglycemia: Convulsions and often death that result from chilling and poor nutrition in the sows. This leads to a shortage of sugar in the pig's blood. Plenty of heat and good nutrition thru the sow prevent hypoglycemia.

Transmissible gastro-enteritis: This is a contagious disease thought to be caused by a virus. It can spread rapidly thru a herd. Symptoms include vomiting, scouring and death in a day or two.

No treatment is known. But if the disease hits your herd, try to keep farrowing sows separate.

Other diseases like leptospirosis and erysipelas are threats, too. Leptospirosis can cause sudden death with or without scouring. But a laboratory diagnosis is needed to determine if cause of death is leptospirosis.

You can protect against erysipelas by vaccinating.

During the farrowing season, it's a good idea to keep all strangers, salesmen, and neighbors out of the farrowing sheds. No sense in taking chances on disease being brought in.

One other point: If disease does strike, call your veterinarian and get an accurate diagnosis. Don't let the disease run thru your herd before getting help.

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Next time you go into town, better look into this extra Hi-BAR *value*. It's at your U. S. Royal Dealer's right now!

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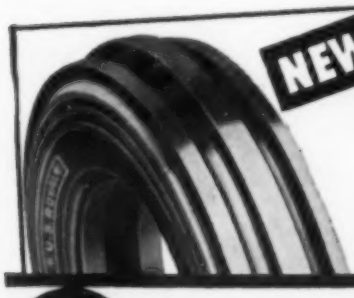
SIZE 11-38	BAR HEIGHT	TREAD WIDTH	TREAD FLATNESS
U. S. Royal Hi-BAR	1.34"	11.50"	92%
Ordinary low-price tire	1.12"	11.05"	75%
% Hi-BAR Advantage	20%	4%	23%



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It's vital that your pigs are at peak weights at weaning time. But you can't depend on the sows' milk to do the job. So — get your pigs on VICTOR PIG PRE-STARTER fast.

Many hog raisers put their pigs on VICTOR PIG PRE-STARTER as early as 5 to 7 days after birth. Your pigs will be eating well by the time the sows' milk flow drops off. And you are protected against expensive setbacks. It means earlier weaning, too — which is important.

Then—shift to VICTOR PIG STARTER . . . and you're on your way to a money-making year.

VICTOR PIG PRE-STARTER AND VICTOR PIG STARTER contain essential nutrients in scientifically balanced amounts to put fast, quality, low-cost gains on your pigs. And, because VICTOR PIG PRE-STARTER and VICTOR PIG STARTER are so appetizing—your pigs will love them.

Decide now to feed your pigs VICTOR PIG PRE-STARTER and VICTOR PIG STARTER . . . and feed them the VICTOR way ALL THE WAY to market weight! See the VICTOR dealer near you. TODAY.

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VICTOR FEEDS

THE CRETE MILLS CRETE, NEBRASKA

Division of the Lauhoff Grain Co.

Half of Iowa's "400 Club" dairymen keep their calves in a separate calf barn or shed — away from the cow herd.

What's best for dairy calves?

Iowa's top dairymen questioned about calf management practices

This is another in the series of articles resulting from a Wallaces' Farmer and Iowa Homestead survey of Iowa's "400 Club" members. They're the dairymen whose herds have averaged over 400 pounds of butterfat per cow for 10 years or more, according to DHIA records.

CALVES are considered important property on the dairy farms operated by members of Iowa's exclusive "400 Club."

Of those 51 dairymen, 46 say they raise all replacements." The other five say they "raise some, buy some." But not one of these top dairymen "buys most" of his replacements.

That fact, in itself, is a key point in developing and maintaining a herd that'll beat the 400-pound mark year after year, most of the "400 Club" members believe.

Of course, you get top benefits from raising your own replacements only if such a practice follows a wisely planned breeding program.

Since these dairymen believe herd replacements to be so important, let's ask a few questions about their methods of handling and feeding calves.

"Where do you house calves?" the survey asked. Here's how the 51 dairymen answered:

In separate calf barn or shed	**24**
In pens in barn with cows	**24**
Both	**3**

Then "400 Club" members were asked: "How long are calves kept in individual pens? Here are answers:

Not at all	**30**
Up to four weeks	**9**
More than four weeks	**12**

Individual pens, of course, are considered desirable for calves up to eight weeks because they help prevent spread of disease.

Several who do not use individual pens indicated that they prefer to have no more than three calves to a pen.

And Robert Thompson, of Benton county, commented: "We are now in the process of installing individual pens." Thompson already was keeping calves in a separate building.

How do these top dairymen feed their calves?

It's taken for granted, of course, that calves get colostrum (first milk) during the first few days after birth.

Fifty of the "400 Club" members feed some form of cow's milk plus a calf starter mix and/or homegrown feeds. Here's a breakdown on the forms of cow's milk used:

Skim milk	**9**
Whole milk	**36**
Skim and whole milk	**2**
Nurse cows	**1**
Nurse cows and whole milk	**2**

Only one of the "400 Club" members uses a commercial milk replacer as a complete substitute for cow's milk. Several say they use milk replacers to supplement the cow's milk.

Clarence Zurcher, of Clayton county, commented: "We feed whole milk in small amounts until calves are three months old. Calves get a starter feed mixed with corn and oats, free choice."

This, of course, doesn't cover the field of calf feeding and management. But it points up some of the practices followed by these top-level dairymen. And combined with other good management practices, these ideas can help save more calves.

Calf mortality is a big problem in the dairy business. It's estimated that about 20 percent of the dairy calves fail to survive. "400 Club" members, however, score much better than that.

Of the 51 club members, 25 say that at least 95 percent of their calves survive to the age of one year. And 23 say they save 85 percent or more of their calves.

Floyd Arnold, extension dairy husbandryman at Iowa State College, makes these suggestions for handling newborn calves:

1. Have calves dropped in a disinfected, well-bedded, draft-free area.

2. Douse the navel immediately with iodine.

3. Get calves to nursing within an hour or two after birth.

Protect your herd now
against Hog Cholera

Ask your veterinarian to use

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Ask your veterinarian about M·L·V vaccine—ask him why its "porcine origin" assures greater effectiveness.

Consult your veterinarian...
he knows best what's best

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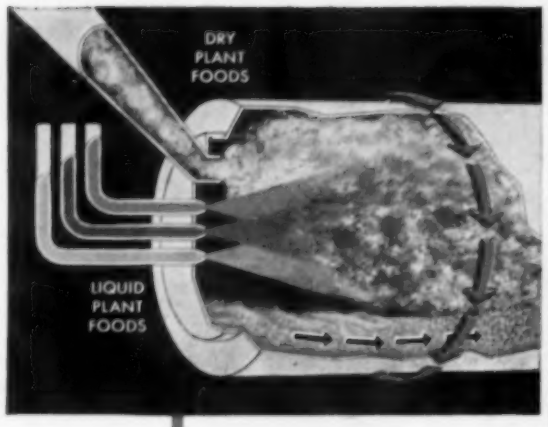
Now! more ROOT-POWER *for every plant*



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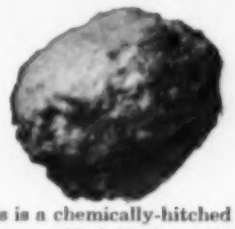
The FLO-FUSION process is truly a new miracle of science. Tiny "cores" of phosphates are surrounded by nitrogen, potash and other plant food elements. They are fused together into free-flowing particles. The ingredients do not separate—they are welded together.

As a result, the roots of every plant now receive a full charge of yield-power—a complete diet of growth elements. This balanced feeding is the key to stronger, healthier-rooted plants and higher yields.

Your investment in plant food is so important it pays to get the latest and best. Try Swift's chemically-hitched plant foods this year—let the bonus bushels speak for themselves.

Swift's new FLO-FUSION process packs each particle of plant food with supercharged yield-power

High-quality liquid plant foods are injected into dry materials in a revolving FLO-FUSION processing chamber at Swift's Plants. Millions of individual chemical reactions convert raw materials into chemically-hitched plant food, drying the particles as they are formed. You get the benefit of this FLO-FUSION process only at Swift Plants throughout the nation.



This is a chemically-hitched particle magnified 20 times. As you can see, the elements are welded together by Swift's FLO-FUSION process. Here is another reason why Swift's Plant Foods make better crops.

Swift's PLANT FOOD SERVICE RED STEER

BUY AT THE SIGN OF THE RED STEER

Swift 100TH YEAR

To Serve Your Farm and Family Better

SWIFT & COMPANY
PLANT FOOD DIVISION
Mason City, Iowa

YOU CAN GROW BETTER CROPS WITH SWIFT'S PLANT FOODS

First Aid For Stock

Rhinitis In His Hogs

To the Editor: I'm having trouble with rhinitis in my hogs. At least, they have runny noses with some sneezing. If this is rhinitis, how long would it take to clean it up? My sows will farrow soon.—V. E., Plymouth county, Iowa.

If this is rhinitis, farrow your sows out on clean ground. Keep litters separate for at least a week. If you see violent sneezing in a litter, segregate and dispose of that litter—unless there are too many litters like that.

Selling off your herd isn't recommended. Rhinitis is so widespread that you might well bring the disease back with new stock that you buy.

Young pigs are the most susceptible. If you can get your pigs past 75 pounds, you are on the road to market with them. But if severe sneezing and twisted noses show up before the pigs are 10 weeks old, you are in trouble.

There is no cure for rhinitis. So don't pay out money for "cures."

Did Cholera Kill These Pigs?

To the Editor: Our pigs are about six months old, almost ready for market. They get sick, lie around and won't eat or drink. They start shivering. In about a week, they die. The veterinarian doesn't seem to know what's wrong. Is this hog cholera? — D. Y., Woodbury county, Iowa.

Usually hogs ill with cholera will hesitate to get on their feet, will have a wobbly gait, and will have smeared eyes. A post mortem will show lesions of a septicemia.

Once hogs contract cholera, there is very little that can be done. Your letter doesn't state whether the pigs have been vaccinated.

Better have a laboratory examine one of the pigs to find out the cause of death. The Iowa Veterinary Diagnostic Laboratory at Ames would make a diagnosis for you.

"Dear, in the short time you've been in the hospital away from home, my ulcers have cleared up completely."

Pigs Quit Eating, Then Die

To the Editor: I have lost 23 pigs at about eight weeks of age. At about five weeks, they get weak, listless and quit eating. They drink a lot of water. In about three weeks, they die. There is no scour or fever. The vets say it is not necro, enteritis, or erysipelas. — F. S., Waseca county, Minn.

This could be virus pneumonia or chronic pneumonia. However, many hog diseases, including the one you describe, are very difficult to diagnose. Laboratory cultures are needed.

Better take two pigs that are typical of the bunch to the Veterinary Diagnostic Laboratory at the School of Veterinary Medicine at St. Paul for diagnosis.

Organic Iodine For Foot Rot

To the Editor: In your January 21 issue, you mentioned organic iodine for preventing foot rot in cattle. I have tried all over, but no stores around here carry organic iodine. I have had trouble with foot rot in my cattle and would like to try it.—R. W., Louisa county, Iowa.

The only place organic iodine can be obtained is from a veterinarian. The commercial house that handles organic iodine sells only to veterinarians.

Contented Cows Give More Butterfat

If a cow is excited at milking time, she usually withholds some of her milk. And that means a loss of butterfat, according to dairyman Earl Wright at Iowa State College.

Wright explains that the percentage of fat varies during the milking—from around one percent at the start to seven percent at the finish. And strippings, he says, may run up to 11 percent.

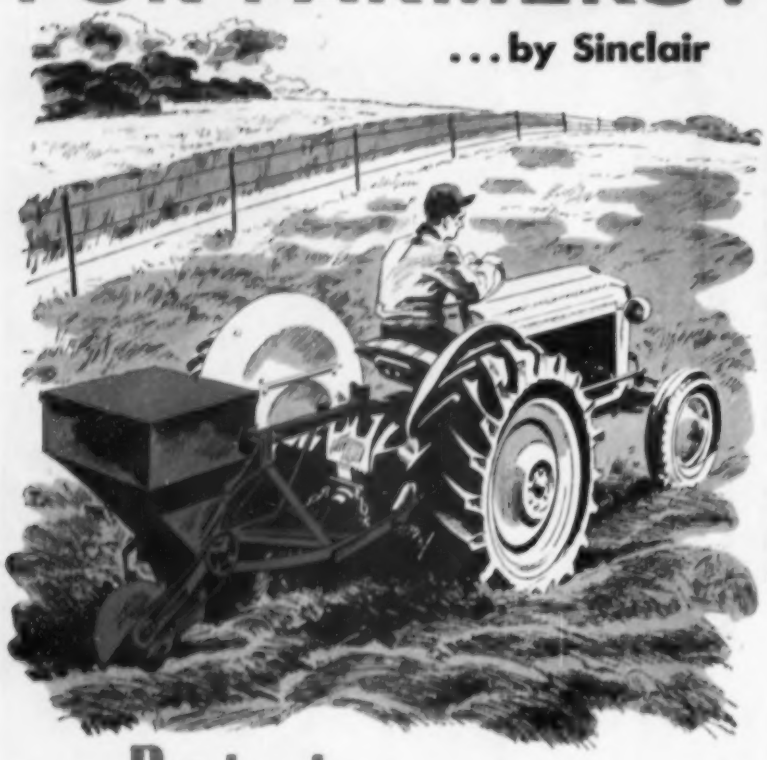
So the loss of milk withheld by worried cows could mean enough butterfat loss to lower the milk test.

ANTIBIOTICS have a place in the research laboratory, too. They have been used to produce new races of molds and bacteria.

The antibiotics disturb the organisms in such a way that they produce additional genetic mutations. This is a relatively cheap source of mutations. And as the new races are checked, some of them may prove valuable to agriculture, industry or medicine.

WHAT'S NEW FOR FARMERS?

...by Sinclair



New Pittsburgh Deep Feeder...

...a tractor attachment developed for sub-soil fertilizing to supplement surface applications. Its chisel-like plow breaks the sub-soil, and a stainless steel feeding mechanism deposits dry commercial fertilizer in the chiseled area directly below the plow sole. Hopper holds 320 lbs. – has adjustable feed.

New Sinclair EXTRA DUTY TRIPLE X Motor Oil...

...a new multi-grade motor oil that gives more complete lubrication and anti-wear protection at all driving ranges – from cold engine starts to hot, high engine speeds. Remarkable cleaning action prevents deposits that waste power. In your car, truck or tractor, Sinclair EXTRA DUTY Triple X gives you quicker starts, faster warm-up, and smoother full-power performance. Ask your Sinclair Representative about it. Try it!

SINCLAIR

Petroleum Products for every farm need

SINCLAIR REFINING COMPANY, 600 FIFTH AVENUE, NEW YORK 20, N.Y.

For Highest Yields and Top Quality, grow...

HIGH QUALITY SEED STOCK

Grown from foundation or approved seed.

Florida or Greenhouse tested

Thoroughly field inspected. Properly stored. Shipments inspected for grade by Federal-State Inspectors.

MINNESOTA Certified SEED POTATOES

★VIGOROUS ★DISEASE FREE!

Grown under rigid requirements and inspected by well trained, qualified inspectors of the State Department of Agriculture. Minnesota Certified Seed Potatoes are sold only by the growers. Select your variety — we supply the grower. List on request.

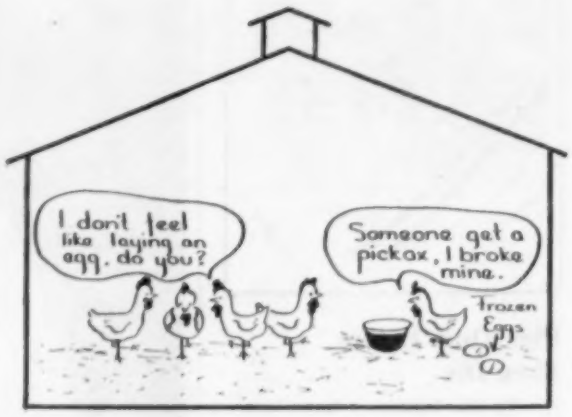
LOOK FOR THIS OFFICIAL BLUE CERTIFICATION TAG ON EVERY BAG

SEE YOUR LOCAL DEALER

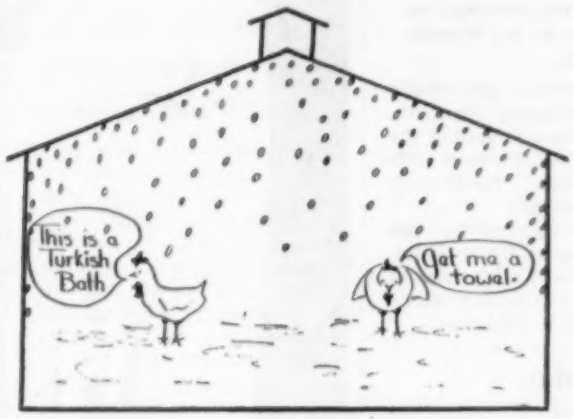
STATE OF MINNESOTA DEPT. OF AGRICULTURE

SEED POTATO CERTIFICATION, U. OF M. ST. PAUL CAMPUS, DEPT. O. ST. PAUL, MINN.

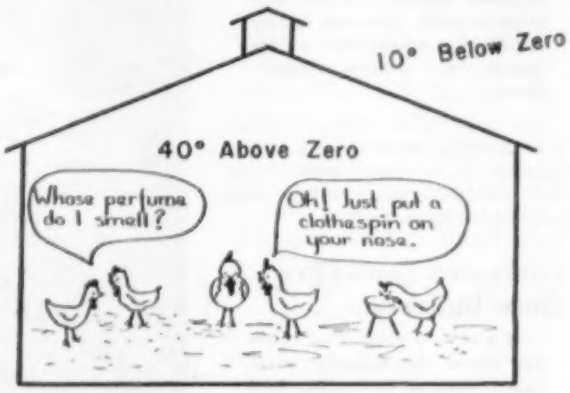
Comfort for hens



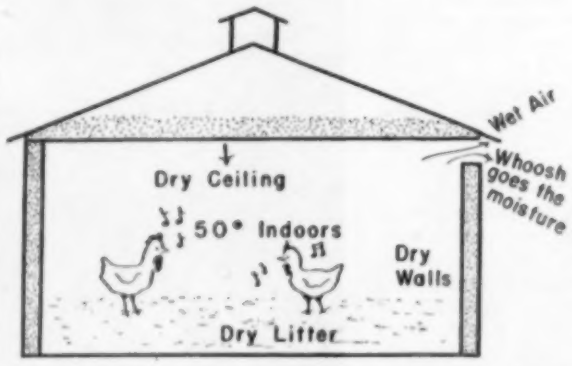
Uncomfortable hens won't lay many eggs. Poor laying houses give little protection from sudden changes in weather. The litter is frozen when it's cold and wet when it's warm. Wet litter is major cause of dirty and stained eggs.



Moisture condenses on walls and ceilings if laying house is too tight. Ventilation is needed to move moist air out of the house and replace it with fresh air. Litter is always wet from condensed moisture in this house.



Ammonia gas escapes from soggy litter as temperature in the laying house rises. Deep litter won't help much since more moisture is given off than can evaporate. No such trouble occurs in well insulated and ventilated laying houses.



Comfortable hens in insulated and ventilated laying house will stay healthy and lay maximum number of eggs. No wet litter to get eggs dirty. Vapor barrier inside of the wall insulation keeps insulation dry.

New! faster, safer way to start chicks

Pillsbury Chick Pre-Starter 66

New "HC/P" formula plus "AN-7"

Now...high level protection plus high energy growth power for your chicks' first 2 weeks

Important discoveries now make it possible for you to have a *pre*-starter with higher calorie levels, higher protein levels, new growth booster "AN-7," therapeutic level of antibiotics and NF-180, plus more minerals, vitamins and other life-protecting ingredients than ever before—*all perfectly balanced!*

It's the balance that does it. And Pillsbury has this high-calorie, high-protein feed *perfectly balanced* for starting baby chicks. Only Pillsbury brings you this great new Chick *Pre*-Starter 66.

Start your chicks the first two weeks this new way—for less than a penny per chick. Then switch to Pillsbury's new Chick Starter, also with "HC/P" formula plus "AN-7," the next four weeks. It'll pay!

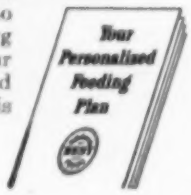
See "living proof" at your dealers now!

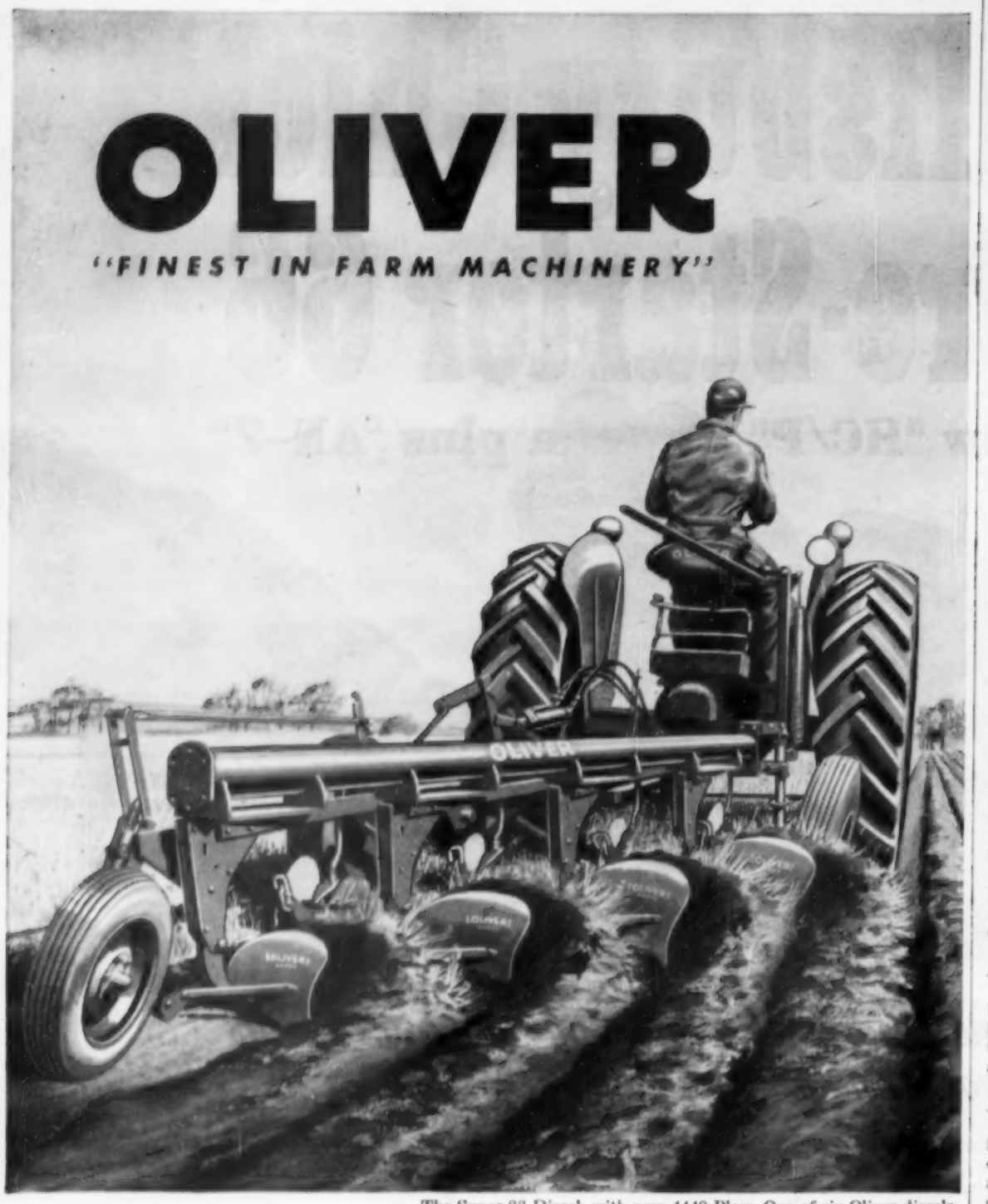
NEW **Pillsbury Chick Pre-Starter 66**

New "HC/P" formula plus "AN-7"

Start your chicks on a feeding plan built just for you by Pillsbury experts

Be sure! Let Pillsbury's feeding experts like D. W. Martin (left) build you a *life-cycle* poultry feeding plan—from chick to egg check. Your own Personalized Feeding Plan that puts high calories, balanced proteins, plus new growth booster "AN-7" to work with your own home grown grains. **The result**—faster chick growth into early layers that pay off when egg prices are highest. Watch for your Pillsbury Feed man or see your Feed Dealer. This new feeding service is free from Pillsbury.





The Super 88 Diesel, with new 4440 Plow. One of six Oliver diesels.

Pocket 44¢ every hour!

That's the sort of fuel savings you can make with an Oliver diesel, doing this kind of work. Here's how it figures:

Pulling four bottoms, a gasoline tractor will burn some four gallons an hour. The Oliver diesel, about two and a half. What's gas worth where you live? And diesel fuel? At average prices, the saving comes to 44¢ an hour. With you, it might be less, it might be more—*a saving of two-thirds the fuel cost is not unusual.* Important, too, are the fuel savings on other farming operations requiring less power than plowing.

Another money saver, your Oliver diesel requires no extra engine for starting. No special fuel. Just step on the starter and go to work.

Size? Name it! Oliver—and *only* Oliver—offers you dollar-saving diesel power in all its wheel tractor sizes. Nor can any other diesel match all the Oliver features—features that save on upkeep, save on time, save on *you*.

Come in and see them, won't you? See your Oliver Dealer.

The Oliver Corporation
400 W. Madison St., Chicago 6, Ill.

OLIVER

Research Points

SINCE the start of World War II, output from United States farms has increased more than a third. During the same period, number of farms dropped 15 percent. Number of people on farms went down 27 percent.

LOTS OF BABIES these days? Here's proof. Every two years, our national population increases by a number about equal to the total population of Chicago. That's not the answer to farm surpluses, tho. While population increases by less than two percent per year, farm production has been increasing by more than two percent.

HOW RIPE do you want the peaches you buy? A research study divided peaches into three classes—firm, firm-ripe and ripe. In all cases, consumers took the ripe peaches first and paid a premium price. The firm and firm-ripe classes were harder to sell.

THERE'S still no substitute for the slaughter-burial method of eradicating foot-and-mouth disease. Animals must be put in a trench, killed, covered with lime and buried.

PUMPKINS make good feed for dairy cows. A ton of pumpkins, including the seeds, is about equal to 800 pounds of corn silage in nutrient value.

A NEW VACCINE to protect persons exposed to rabies has been developed. If it proves itself in additional tests, rabies protection should be much less lengthy and painful.

AUREOMYCIN can help reduce losses due to (1) atrophic rhinitis in hogs, (2) enterotoxemia or "over eating disease" in sheep and (3) bacterial scours in beef calves. Claims along these lines by the American Cyanamid Company have been approved by the Food and Drug Administration.

CALIFORNIA growers of cantaloupe get about 29 cents of the consumer's dollar to cover costs of production, harvest and field packing. The rest goes for packaging, transportation and marketing.

"The last tenant and I parted on good terms. I bought the paint, and he agreed to put it where it would do the most good."

"Bless you, sir!"

THE 840 counties designated as commercial corn producing areas in 23 states will have an allotment of 43,280,543 acres for 1956. That's about seven and a half million acres under the 1955 allotment which covered only 805 counties in 21 states.

THE RECORD pork production is being eaten up. Last year, per capita consumption of pork not including lard was 66 pounds. That's 10 percent up from the 1954 figure. And well above the average of 56 pounds per person for the 1935-39 period.

A SOUTH AFRICA firm has developed a machine for coating citrus fruit with a plastic film. The plastic coating is said to preserve the fruit for as long as six months without refrigeration.

SURE, farmers work hard. An active farmer needs about 3,000 calories per day. An average-sized man working at a desk needs about 2,400 calories. City homemaker needs only 2,000 calories while farm homemaker needs about 2,400, about the same as the city desk worker.

A STRAIN of New Hampshire Red chickens which failed to grow the usual wing feathers has been discovered by University of Delaware workers. The strain has little practical value unless it can be crossed with some of the new broiler strains.

FARMING is big business. In 1953, farmers used about 8.8 billion gallons of liquid petroleum fuel. That is about 11.5 percent of the total used in the country that year. Of the total, about 90 percent was gasoline. Four percent was diesel fuel, three percent LP gas and three percent other fuels.

TONNAGE of frozen foods prepared in this country took a 67 percent jump for 1955 over 1954.

STOP YOUNG BIRDS in poultry flocks from getting leukosis disease by keeping them at least 400 feet away from older hens or chickens. That's the advice of Iowa State College poultrymen.

WILL CORN in the field dry faster if the stalks are killed early with chemicals? Not enough faster to make the practice pay, say Ohio agronomists. They sprayed green corn when the grain contained about 39 percent moisture. At no time was there more than two percentage points difference in moisture of treated and untreated corn.

Brand New Way to Keep Hens Laying!

SUCCESSOR TO FAMOUS SEMI-SOLID "E" EMULSION

HELPS PROTECT HEALTH! Only PEX* contains DLW*, the fermented whey source of milk vitamins, minerals, amino acids, and unidentified growth factors that help keep layers in tip-top-condition—plus buttermilk and whey to keep digestive tracts clean and functioning.

BOOSTS FEED INTAKE! Only PEX contains HIDROLEX*, the amazing "pre-digested" milk sugars and proteins that go into the blood stream for quickly available energy and growth. When you add PEX to your feeding program you increase feed intake—you get better egg production, size, and quality.

*T.M.'s for Milk By-Product Feeds manufactured exclusively by CONSOLIDATED PRODUCTS CO., DANVILLE, ILL.

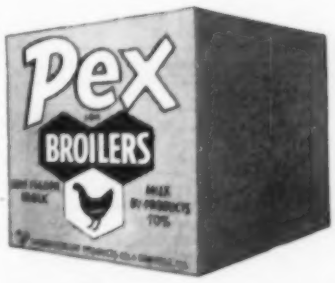
A PEX PRODUCT FOR EVERY POULTRY PROGRAM!

Pex for BROILERS . . . for CHICKS . . . for TURKEYS

CP CO

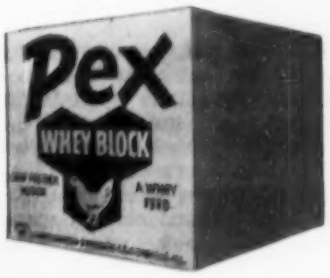
Pex Whey Block

A Pex PRODUCT FOR EVERY POULTRY PROGRAM!



CUSTOM DESIGNED with HIDROLEX, DLW, WHEY, FISH MEAL, and fortifiers—for fast, economical weight gains and protection against stress factors.

FOR STARTING CHICKS—PEX is available in handy 10 and 25 lb. blocks to get chicks off to a fast start and help them grow. Put block down with chicks.



Made entirely of whole whey to provide an economical source of milk nutrients. Stimulates feed intake, conditions your flock for good health.

I WAS JUST FIGURING...

—by Cy Watkins

So there you sit with a bunch of little pigs wondering what to do with 'em. Well I listen to maybe a dozen hog farmers every day, and I can tell you what **they say.**

Everybody thinks hog prices will be better this fall. Not easy, but hogs'll make money if you stick to your knittin' and take care of 'em.

What does that mean?

First, take care of those little pigs! For every pig you lose you'll have to feed one to market free. That is, one dead pig costs the profit on a live one fed to market . . . so a little extra effort pays off big.

Your Watkins Dealer can show you a lot of pig-saving management tricks, but the things I want to talk about here are basic.

It's really important to get 'em on the highly fortified Watkins Pig Starter as soon as possible. That's because a pig's tummy is small compared to the body it has to feed . . . it'll only hold a couple of teaspoonsful . . . so there has to be plenty of **food** and little bulk. (This helps get the weaker pigs started right, too. They're apt to lose out at the sow.)

Of course, a lot of pigs get in trouble at vaccination, castration and weaning. Each of those "events" produce a shock, like you getting your feet wet, and leave the little rascals wide open for germs. The tragic part about THOSE losses is that they're so easy to prevent . . . except most people don't know this trick.

Watkins has a product called T-V Special. It's a powerful Terramycin-Vitamin concentrate that's designed to prevent and cure some of these pig-killing diseases. The trick is to start feeding the T-V Special ration two or three days before you figure to vaccinate. And feed it on through for another three or four days. It costs only a few cents a pig, and it could well "save" him.

Of course, no gab of mine is done unless I mention the savings you can make by mixing your own Hog Supplement. You use "local" proteins that cost less and balance them with Watkins Min-Vite for Swine (a MINeral-VITamin-antibiotic concentrate.) This gives you a better hog ration for substantially less money.

Talk pigs with your Watkins Dealer. See if he can't help you make a profit this fall.

The J. R. Watkins Co., Winona, Minn.

Farm and feedlot

Exercise Good For Dairy Cows

Dairy cows need to be outside for a while nearly every day this winter.

That's the opinion of Bob Niedermeier and Jim Crowley, dairy cattle specialists at the University of Wisconsin.

A little exercise helps appetite, keeps milk production up and keeps cows healthier. Sunlight gives cows some needed vitamin D.

How much exercise? Depends on how crowded the barn is. If cows are cramped inside, let 'em have a little extra time outside.

But don't let cows get tired and lie down. Then teats might freeze. Feed cows hay outside, the Wisconsin specialists say, to keep cows busy.

Another point: Letting cows out is the only good way to check on heat periods during the winter.

To Name Master Swine Producers Again

Twenty-five Iowa men will be recognized as Master Swine Producers again this year. This will be the 15th year that awards have been made.

The recognition contest is sponsored by the Iowa Swine Producers' Association, Iowa State College, radio station WHO and the Iowa Department of Agriculture.

Any hog raiser can be nominated for the contest if he has 10 sows for spring farrowing, and if he has been raising hogs five years. A hog raiser can send in his own name if he wishes.

Those who enter will have to keep records on: (1) dates of first and last farrowing, (2) number of pigs farrowed including all spring litters on the place, and (3) selling dates and total live weights.

See your county extension director about nominations. Or send them direct to the sponsors named here.

Stomach Worms Slow Cattle Gains

If your cattle aren't gaining as fast as you think they should, maybe stomach worms are the cause.

That suggestion comes from M. E. Mansfield, University of Illinois veterinarian.

Symptoms include rough hair coat, loss of weight, diarrhea, and loss of appetite. If you suspect stomarch worms, have your local veterinarian check the manure for worm eggs.

Mansfield recommends the drug phenothiazine for treatment. Your veterinarian can advise as to dosage for your cattle.

Spring Is Time To Fix Gullies

Any gullies on your farm? Spring is a good time to level and reseed them.

B. F. Muirheid, ag engineer at the University of Illinois, suggests these steps to establish and keep up a good grass waterway:

1. Leave as much as possible of the established sod.
2. Provide a wide channel.
3. Prepare a good seedbed.
4. Fertilize, and seed a recommended grass mixture.
5. Prevent livestock damage.
6. Mow regularly.
7. Stagger furrows along waterway when plowing.

PAW TUCKER—Paw helps out

NEED MONEY

FOR A NEW TRACTOR?

- Let us show you how to buy a new tractor with little or no down payment.

WE HAVE SPECIALIZED IN FINANCING FARMERS FOR THIRTY YEARS!

See, Write or Telephone

STERN FINANCE CO.
1024 Walnut Street
Des Moines, Iowa
Phone 3-3287

"Iowa's First Drive-In Finance Company"

HOW FEEDERS CAN STILL MAKE MONEY ON TODAY'S MARKET

- STOP GRAIN DUST LOSS!
- SAVE 1/3 OF YOUR TIME!
- INCREASE DAILY GAIN!

Knoedler

HIGH CAPACITY BURR MILL
the modern mill for today's feeders

Knoedler's special burr mill grind makes more meat or milk out of your ear corn, oats and small grains. Grind it anywhere—feed it fresh-ground, uniform-size, flour-free—watch daily gain go up! Why lose money on dust . . . or extra time and labor? Why pay for custom grinding? Your Knoedler Burr Mill will pay you with profit—even on today's market!

MAXIMUM CAPACITIES
600 bu/hr SHELLED CORN
300 bu/hr EAR CORN
150 bu/hr OATS, GRAINS, COBS

Portable or stationary
Auto or standard wheels
Magnetic hopper opt'l.
Conveyor powered by the mill for self-feeding

WRITE!
Free grind samples, literature, dealer name.

KNOEDLER MANUFACTURERS, INC.
DEPT. 260 STREATOR, ILLINOIS

We'll prove to you that the INNES WINDROW PICK-UP *Saves You Money!*

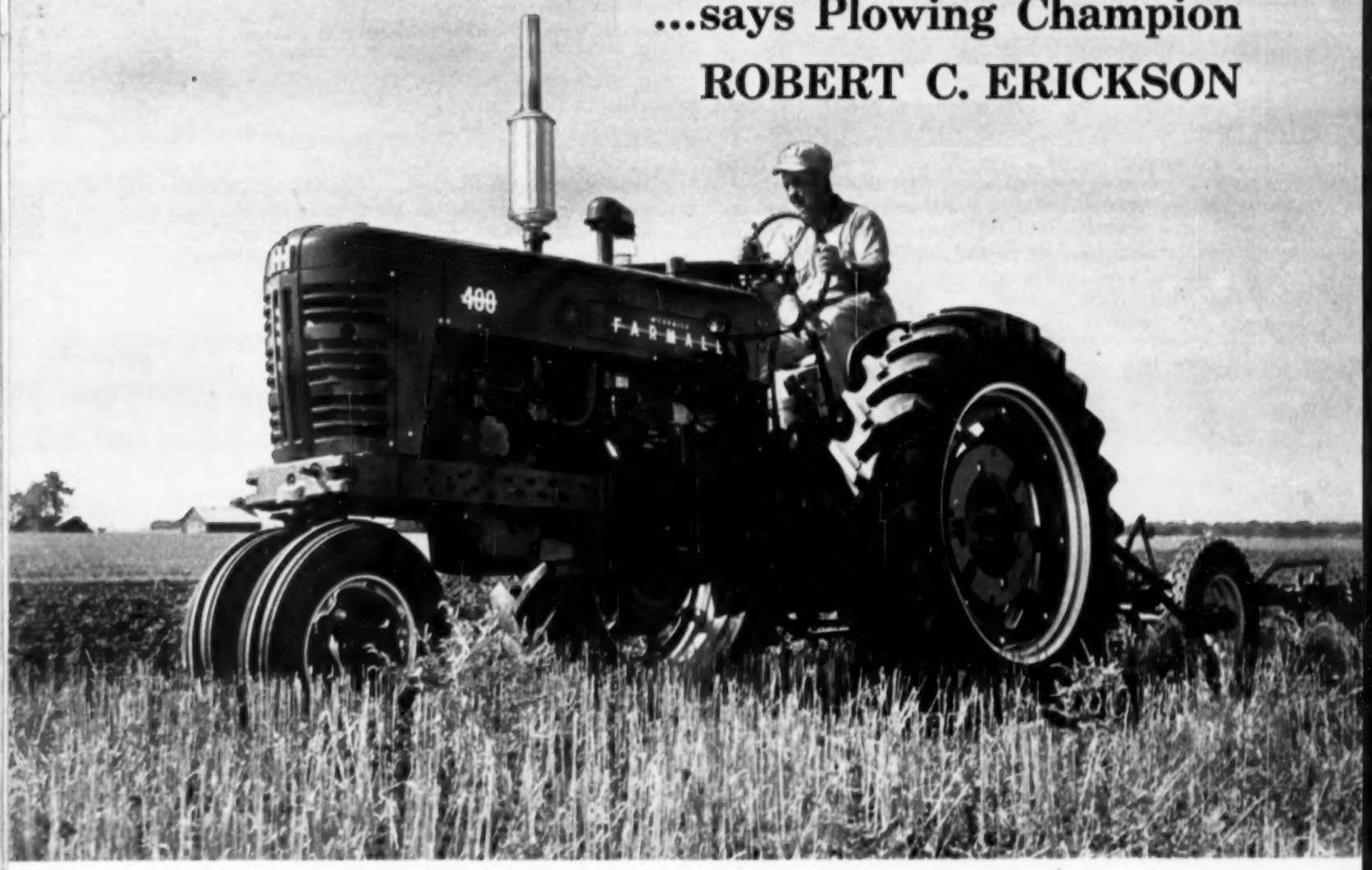
It gets all the grain—no wrapping, shelling or clogging. Easiest there is to put on and take off. Built to last. For complete information send in the coupon below today!

Port Huron Machinery Company
301 E. Court Ave., Des Moines 8, Ia.
Please prove to me that the Innes Windrow Pick-up will save me money. No obligation on my part.

NAME _____
ADDRESS _____
CITY _____ STATE _____

"My Gasoline is RED CROWN"

...says Plowing Champion
ROBERT C. ERICKSON



Bob Erickson of Kendall County, Illinois, has been winning plowing contests since he was 14. In 1954, he won both the Illinois and the National Level Land Plowing Matches. On October 7 and 8, 1955, he represented the United States in the World Plow Matches held at Uppsala, Sweden. Plowing under conditions and rules that differ greatly from those in this country, he placed 8th out of 23 plowmen representing the best from 12 countries.

FOR PLOWING TIPS FROM THIS CHAMPION—AND HIS REASONS FOR USING STANDARD RED CROWN GASOLINE...

...see the next 3 pages

STANDARD

"A properly operating plow will have a little clearance between the landside and the furrow wall," says Bob, and he demonstates this clearance with his fingers. He states, "Our ground gets mighty hard for plowing, at times, but RED CROWN Gasoline gives me plenty of power!"

"I like to set the colters to cut about ¾ inch wider than the plowshares for hard ground—a little less for more moist ground," Bob points out. "And for greasing bearings, I sure like Standard's Lithium Multi-Purpose Grease. It isn't messy, and it really sticks!"

Here's What Makes a Cha

CHAMPION GASOLIN

"I used this type of plow in the World Contest in Sweden," Bob points out to his father, Robert J. Erickson, and Agent Littlefair. "Notice the narrow plowshares and the long moldboard. Our type of plow wouldn't 'scour' in the hard ground over there." Bob says, "For farming, I'll take our Midwest—and in gasoline, RED CROWN can't be beat!"

"We've used STANDARD Gasoline ever since I bought my first tractor, in 1917. We tried another kind, for a while, but it just wasn't as good so we switched back to Standard again," says Robert J. Erickson, Bob's father, shown here with part of his flock of 800 laying hens. The Ericksons farm 312 acres, raising corn and soybeans. "Standard Oil products keep our 3 tractors and 2 trucks in top operating condition," says Mr. Erickson.

"I find that drag wires, attached to the lower end of the colter shanks, help a lot in burying tall weeds," says Bob Erickson. "But I like to leave some stubble sticking out to reduce wind erosion," he adds. And for reducing operating expenses, Bob says, "Standard Oil products are 'tops'!"

"I line the hitch so there's a straight line between center of pull on the tractor and center of draft on the plow," Bob tells Standard Oil Agent Fred Littlefair. Your equipment dealer or County Agent can set you straight on this. 'Fred set me straight on fuels and lubricants," Bob says.

ampion Plowman... And a NE!

"RED CROWN is the champion of gasolines"

That's how Champion Plowman Bob Erickson, shown here with the trophy he won as U. S. National Champion, feels about STANDARD RED CROWN. Here are some of the reasons why Bob, and so many other Midwest farmers, prefer RED CROWN:

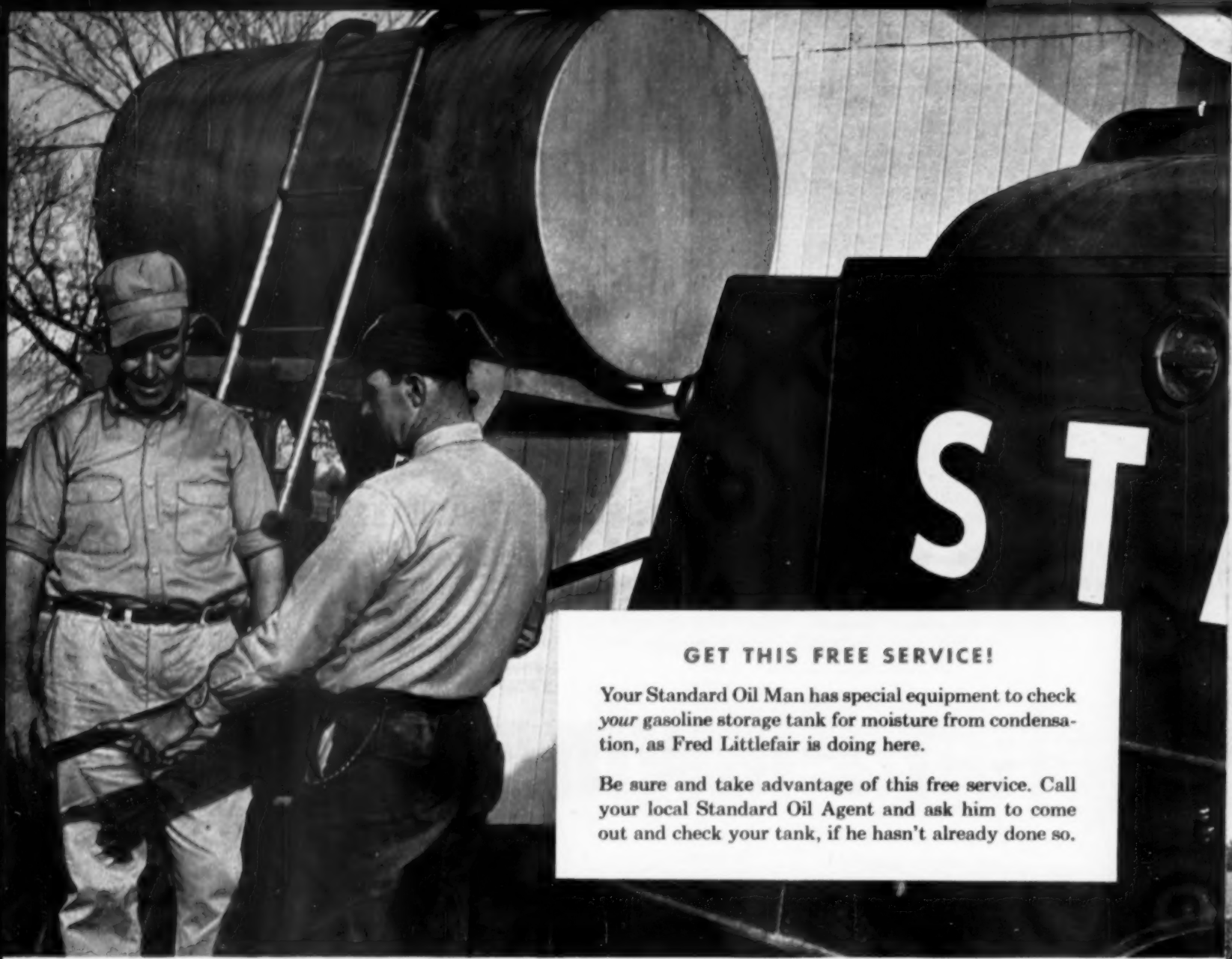
- **It's clean burning—protects your engine against piston deposits.**
- **It's free from harmful gum and contains a special additive to protect it in storage and help keep it fresh.**
- **It's balanced for your area and the season of the year. You *always* get fast starts, quick warm-ups and *plenty of power.***
- **It's tested for power and long engine life, to save you money. Extensive engine tests, and as many as 1500 gasoline tests a day, assure you of getting a uniformly high quality fuel.**

That's why thousands of farmers agree, "You can work more ground with RED CROWN!"

STANDARD

Order Your Spring Supply Now! Get the Best Gasoline and the Best Service!

Yes, RED CROWN is a true champion among gasolines. And farmers rate Standard Service "Best of All," as you can see on the next page.



GET THIS FREE SERVICE!

Your Standard Oil Man has special equipment to check *your* gasoline storage tank for moisture from condensation, as Fred Littlefair is doing here.

Be sure and take advantage of this free service. Call your local Standard Oil Agent and ask him to come out and check your tank, if he hasn't already done so.

"Fred is 'on the ball'!"

"Fred Littlefair gives us the best service we think it is possible to give. He never lets us run out of gasoline and his advice about using the products he sells can't be beat. He gives us plenty of extra services, too, like checking our storage tank for moisture from condensation. I don't think you can find a better man than Fred!" That's what Bob Erickson says about the kind of service he gets from Standard Oil Agent Fred Littlefair. That's the way thousands of other farmers feel about their Standard Oil Agent, too.

How's your gasoline supply? Get ready for spring work—call your Standard Oil Agent, today, for a fill of Red Crown. Then you'll be all set with the kind of fuel, service and delivery to make your farming more pleasant and more profitable!

You expect more from STANDARD and get it!

QUALITY PRODUCTS • FRIENDLY SERVICE • DEPENDABLE DELIVERY

Workday pointers

NEW-BORN PIGS from brucellosis-infected sows may have organisms on them that will give you undulant fever.

▼ ▼ ▼

PUTTING TOOLS away when a job is finished is a real time-saver. It may save your good humor too.

▼ ▼ ▼

NITROGEN FERTILIZER put on old grass pastures this spring will hurry up the pasture season.

▼ ▼ ▼

STUMP SPROUTS can be prevented by spraying with 2,4-D or 2,4,5-T. Some use a mixture of the two in oil or kerosene.

If the job is done in early spring, there'll be less danger of damaging desirable plants that may be near.

▼ ▼ ▼

SCALDING HOT LYE WATER is hard to beat as a farrowing pen cleaner. It attacks germs and parasite eggs with both heat and chemical action.

▼ ▼ ▼

FARM RECORDS started in March are much better than none at all. You can still get a farm record book with income tax information by sending one dollar to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

▼ ▼ ▼

IF THE FEED TAG says cattle feed contains .0011 percent stilbestrol, that's the same as five milligrams per pound of feed. You can feed up to two pounds per day of such a supplement to fattening cattle.

▼ ▼ ▼

ROTATIONAL GRAZING increases feed from pasture acres. Use electric fence to enclose three to four-day supply of grass. Then move fence to another area. This method is recommended wherever water can be supplied for cattle.

▼ ▼ ▼

BE READY to fight grasshoppers and chinch bugs this year. Dry weather last fall was favorable for them.

▼ ▼ ▼

VERNAL ALFALFA showed up well in central Iowa tests both for hay and pasture.

▼ ▼ ▼

THORO CLEANING must precede the lye water, steam bath or flame treatment if farrowing pens are to be made free of disease and parasite organisms. None of these will kill germs or worm eggs under a half inch of dirt or manure.

SPRING MUDDY SEASON can waste a lot of feed. Grain or hay that touches the mud will never be eaten.

▼ ▼ ▼

TRACTORS that have been idle thru the winter should have new oil before being put to work again.

▼ ▼ ▼

FLY CONTROL for this summer will be easier if all manure is hauled from yards this spring.

▼ ▼ ▼

GARDEN TRASH should be cleaned up as soon as dry on top if it wasn't done last fall. Garden is one place where burning off is good practice.

▲ ▲ ▲

SEALED CORN of the 1955 crop can be resealed this summer under about the same provisions as for last year.

▼ ▼ ▼

ONLY A FEW weeks are left to get machinery repaired before field work begins.

▼ ▼ ▼

ALFALFA stands that are thin or spotted can rarely be thickened up or patched successfully. Ordinarily the best method is to plow poor stands and reseed completely, or seed another field to replace them.

▼ ▼ ▼

YOU NEED TO KNOW a farm well to get the most out of it. So if you've moved to a new farm, get the cropping history of the fields. Neighbors or the man who moved off may give you information.

▼ ▼ ▼

MUDDY YARDS cut gains on both cattle and hogs. Some mud-free area should be provided in the spring particularly. Corn cobs, old hay or straw can be used to make a dry spot. A cemented area will help a lot.

▼ ▼ ▼

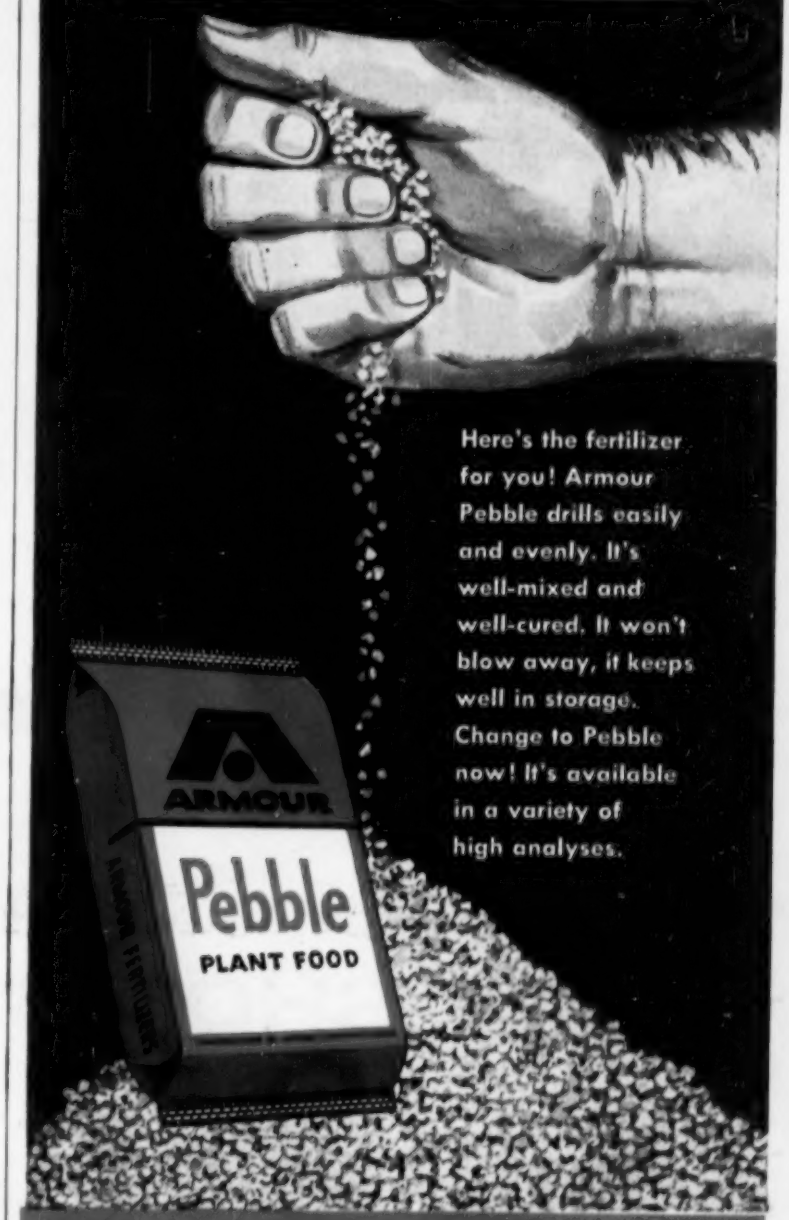
HAWKS, OWLS, skunks and foxes are good mouse traps. They eat mice that damage crops. They'll also eat chickens and

pheasants. But since chickens, are usually kept confined nowadays, some think these old farm enemies do more good than harm.

▼ ▼ ▼

MIX BROMEGRASS with ground corn cobs for an even job of seeding, says Clem Topping of Van Buren county, Iowa. Other light seeds like orchard grass can be seeded the same way. Cobs should be run thru a fanning mill to get out the material that is too coarse to pass thru the seeder box. Then mix the seed with the cobs so you'll have one acre's seeding in one bushel of the ground cobs.

"Armour Pebble sure spreads easy... no clogging, no dust!"



Here's the fertilizer for you! Armour Pebble drills easily and evenly. It's well-mixed and well-cured. It won't blow away, it keeps well in storage. Change to Pebble now! It's available in a variety of high analyses.

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What a Temper!
Planet Jr.
"PLANETIZED" Steels

Whatever your soil—there's a Planet Jr. steel designed specifically for the job—hardened and tempered by the exclusive "Planetizing" Process for extra toughness —long wear. Over 200 steels to select from— Planet Jr. Steels, Sweeps and Furrowers.

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Please send me complete details on Planet Jr. Steels.
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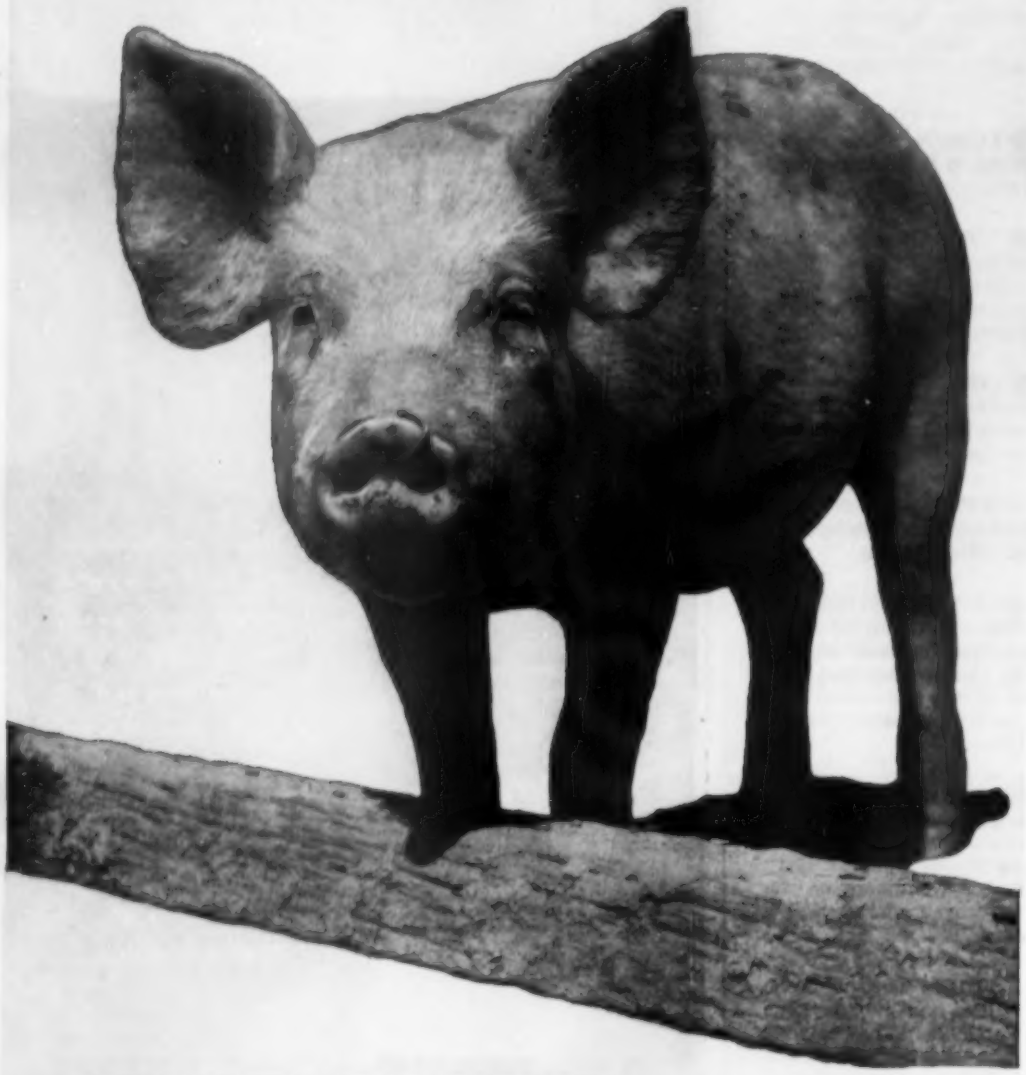
Cuts Erysipelas Losses!



ONE-SHOT
Treatment and Control...
INJECTION
BICILLIN® FORTIFIED

(Dibenzylethylenediamine Dipenicillin G and Procaine Penicillin G in Aqueous Suspension)

Swine erysipelas is a serious, acute, and often *stubborn* infection. When one animal becomes ill, other animals are threatened. Treatment is required that will be *immediate, effective,* and *long-lasting.*

BICILLIN FORTIFIED provides the immediate high blood levels that are needed to check the acute phases of infection. In addition it produces the lower, *longer-lasting* blood levels that are necessary to promote recovery, guard against reinfection, and halt the spread of the disease.

BICILLIN FORTIFIED has prolonged action that is particularly important in guarding against the after-effects of swine erysipelas, a disease that often reduces the market value of animals and your profits.

Only BICILLIN-FORTIFIED gives you this *double* penicillin action—treatment *plus* protection—in a single injection!! You save time, work, and money!

SUPPLIED: BICILLIN FORTIFIED 300—Vials of 10 cc. and vials of 50 cc. Each cc. contains 150,000 units Bicillin and 150,000 units procaine penicillin.
BICILLIN FORTIFIED 600—Boxes of 10 Tubex® sterile-needle units, each cartridge containing 300,000 units Bicillin and 300,000 units procaine penicillin.

Wyeth®
Philadelphia 1, Pa.

AVAILABLE FROM YOUR DRUGGIST OR OTHER ANIMAL HEALTH PRODUCTS SUPPLIER

"Now don't ask your Daddy a lot of silly questions. He's tired."

Summer Grease Not For Winter Use

All oil and grease used in your farm machinery during freezing weather should be the free-flowing type. Otherwise, your machinery is getting unnecessary wear.

This warning comes from O. J. Trenary, Colorado A. & M. agricultural engineer. Farm machinery is often subject to high torque loads because of congealed summer-type oil and grease in bearings, gear case, or transmission.

Bearings wear rapidly until friction heat warms the oil.

Save the summer lubricants for warm weather use. Use lubricants that will flow freely during freezing weather, Trenary advises.

Dehorn Before Fly Time

Calves, feeder cattle, and cows should be dehorned before fly time.

You can do the job on calves with caustic or an electric dehorner. But if the animals are larger, plan to dehorn them one of the first warm days in March.

Keep cattle off sweet clover hay before the dehorning operation. Moldy sweet clover hay has a substance that prevents clotting of the blood.

Instruments should be sterilized before you use them. Don't put cobwebs or other debris on the horn stub to prevent bleeding. This can infect the sinus. Instead, have a skilled person pull the veins.

One way to keep milk cows from losing production after dehorning is to have a veterinarian perform a "nerve block." Then they'll suffer no pain during the dehorning.

Lightning Season Ahead

Lightning is the main cause of farm fires. That's the statement of O. L. Hogsett, University of Illinois farm safety specialist.

Lightning causes 37 percent of all fires and costs farmers thousands of dollars in livestock losses each year, Hogsett says.

Adequate lightning rods plus grounding of all wires leading into a building give 99 percent effective protection against lightning, Hogsett advises.

High trees and metal roofs on buildings don't give complete protection. Lightning can jump from a tree to a nearby building. It can go thru metal roofs, and joints in roofs cause flickers and sparks at those points.

Scrub! Scrub! Scrub!

"I know I promised to help, but for pigs, is all this scrubbing worthwhile?"

SWISH! Swish! My scrub brush scatters the thick foamy suds on the rough boards of the farrowing house panel marked "6."

Steamy warmth inside thanks to the oil burner—snowy and cold outside.

With strong vigorous strokes, hubby is sweeping billows of suds with a large barn broom.

I pause, look at the numerous panels waiting to be cleaned and ask myself:

"How come I'm scrubbing these panels?"

Ah, yes, now I remember. It was yesterday I looked apprehensively out the window at the falling snow and was afraid to drive to that extension poultry meeting in the county seat.

At that time I said:

"If you'll drive for me, I'll be glad to help scrub the farrowing house tomorrow." (Pigs expected soon.)

Those were my exact words: "I'd be GLAD to help you scrub."

That's how come!

Mindful of my promise, I began on panel "7" with renewed vigor.

"Is it worth while to scrub like this?"

The farmer's reply, "Don't know. Never know when to stop when you're scrubbing for little pigs."

The irony of the situation is that the lower prices for hogs that we're experiencing just seem to mean more cleaning and better management instead of less.

I can visualize the solid satisfaction which the hogs got out of scratching their sides on these panels. But oh, how it imbeds the dirt in these boards! First soak with hot suds and then elbow grease liberally used.

On a trip to the house to get some more soap, I notice the heavy-bellied sows wandering around the snowy barnyard. Looks like the calendar is right. High time to scrub and get the house dry.

In a few days, inquisitive little pig noses will be nosing around and pink tongues will be licking these very boards. It's true, can't get surroundings too clean!

—Mrs. Pauline Harland.

for Soybeans

More Benefits than Meet the Eye

NITRAGIN inoculation helps legumes make extra nitrogen plant food out of the air to increase yields. Other benefits are equally valuable.

INOCULATE WITH **NITRAGIN**

FOR BIG YIELDS OF CLEAN, HIGH-GRADING
SOYBEANS • CLOVERS • ALFALA • ALL LEGUMES

You boost your crop instead of the weeds—you promote a clean harvest and a big one—when you give your soybeans and other legumes the nitrogen insurance of NITRAGIN inoculation. The extra nitrogen raises quality of seed and protein content of hay and fortifies your crop against pest and weather hazards. Even if yield increases are moderate, these bonus benefits pay you dollars for the pennies per acre you spend on NITRAGIN inoculation. Get triple-tested NITRAGIN in the bright orange can, dated and guaranteed, from your seed dealer. Drop us a card for free soybean leaflet.

It's NITRAGIN for nitrogen!

THE **NITRAGIN** CO.

4141 W. Custer Ave., Milwaukee 8, Wisconsin

CULTIVATE IN HIGH GEAR THE FIRST TIME OVER *with...*

Yetter CULTIGUARD

Throw away troublesome half-sweeps and fenders! CULTIGUARD takes the place of both . . . gives high-speed operation for your first cultivation. Ends soil throwing and trash collecting.

FASTER!

Under average conditions for the first cultivation, one tractor and CULTIGUARDS will cultivate as much as two tractors with sweeps and fenders. Speed of 3 to 5 MPH cuts cultivation time in half

CLOSER!

CULTIGUARDS are set closer to the rows . . . destroy more weeds. You can adjust them for small crops so that they cultivate right up to the roots, yet do not damage feeder roots.

BETTER!

You have better vision without fenders . . . see small plants easier. CULTIGUARDS will not cover small plants . . . they push soil in and around the plants as you would do with your hands.

Leave the ground level or cultivate-and-hill

Loose, evenly spread soil . . . or hilled-up in one operation — a twist of the shanks does it! CULTIGUARDS fit all standard shanks . . . pay for themselves in increased yields and saving in time and labor.

• WRITE FOR FREE LITERATURE . . . TODAY!

YETTER ROTARY HOE

- **Rips Out Weeds**
- **Pulverizes the Soil**
- **Gets Crops Off to a Quick Start**

New, Yetter-designed angle iron teeth give maximum penetration —without injury to crops! Cultivates . . . hoes . . . breaks crust . . . pulverizes . . . levels—all in one fast, simple operation. Flexible—follows ground contour. Universal drawbar fits any number of sections. Ruggedly built . . . easy to adjust gangs closer together or set further apart. WRITE . . .

YETTER MFG. CO., 123 Main St., Colchester, Ill.

"GOOD FARM EQUIPMENT SINCE 1930"

NOW! see the new HESSTON self-propelled SWATHER

Available in 8-, 10-, 12-, and 14-foot lengths.

WHY YOU SHOULD OWN A SWATHER

One man can harvest grain at the right time before it dries, shatters, or goes down. In weedy conditions, straw and weeds can dry thoroughly before combining. The swath stays on top of the stubble with head criss-crossed, giving you higher quality and more saleable grain. It is ideal for mowing and windrowing hay in one operation. Saves you time and fuel costs. Gives higher quality feed.

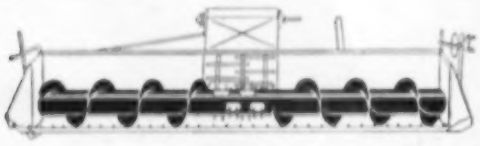
WHY YOU SHOULD OWN A HESSTON SWATHER

Simplified V-belt transmission. Easy to adjust—economical to service. Multiple-speed reel adjustment for all conditions. Hydraulic system for raising and lowering platform and reel is optional. Entirely powered by air-cooled Wisconsin engine.

EVERY COMBINE NEEDS HESSTON ATTACHMENTS—SEE YOUR DEALER OR SEND COUPON

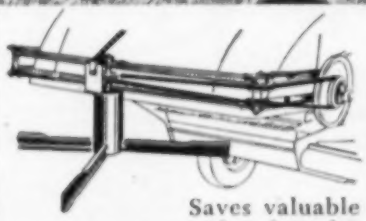
THE HESSTON STRAW CHOPPER *ELIMINATES STRAW PROBLEMS*

Shreds and chops heaviest straw! Spreads it evenly over large area. Improves soil, often eliminates one plowing or discing. Operates like a hammermill. Models to fit all combines. Simple to install or dismount.



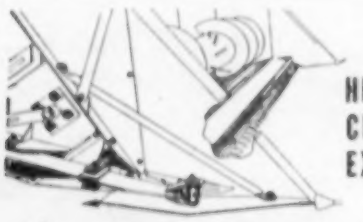
SMOOTHER FEEDING—NO SLUGGING!

Hesston Retractable Finger Auger gives positive, even feeding and speeds harvesting. Fits most SP combines. Easily installed.



HESSTON STRAW SPREADER

Saves valuable fertilizer and makes plowing easier by distributing straw evenly. Fits most combines.



HESSTON CUTTERBAR EXTENSIONS

For short straw, soybean, and maize—increases platform efficiency by extending guards and sickle 6 inches forward. Better reel adjustment in all crops. Available for most all combines.

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Send this coupon to nearest distributor, or to HESSTON MFG. CO., INC., 340 King St., Hesston, Kansas, U. S. A.

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Send information on ☐ Self-Propelled Swather ☐ Row-Crop Saver ☐ Straw Chopper ☐ Retractable Finger Auger ☐ Platform Extension ☐ Straw Spreader ☐ V-Bars ☐ Friction Throttle for IH, H and M ☐ Quick Concave and Cylinder Adjustments ☐ M-H Beater Sprocket ☐ Tank Loader and Extensions.

NAME_____
ADDRESS_____
CITY_____ STATE_____
I OWN A_____ COMBINE.

Service Bureau

How Much Shrink In Hog Butchering?

To the Editor: How much does pork shrink after it's butchered? And how much does it cost to have it cured and smoked?—Mrs. H. P. P., Clinton county, Iowa.

Shrinkage of pork will vary to some extent. On the average, however, the carcass will shrink about two percent during the chilling operation, says E. A. Kline, professor of meats at Iowa State College.

The yield or dressing percentage of hogs will vary depending on how the carcass is dressed. The average 210-230 pound live pig will have a dressing percentage of 68 to 72 percent. That is with the head taken off and the leaf fat removed.

Probably the most common charge for curing and smoking pork by a locker plant is six cents per pound. But this may vary from four to eight cents per pound of meat. Your local locker plant can tell you what the charge per pound is for curing pork.

Can Get Social Security

To the Editor: My wife and I are both 65. We operated our farm in 1955. But we don't think we will be able to operate it this year. Can we get social security benefits?—B. M., Fulton county, Illinois.

If you have $400 or more net income from your farm operation by April 1, you can retire and start getting your social security benefit. This income can be from grain or livestock held over from your 1955 operation.

If you had a net income of $1,800 in 1955, that income will be divided by 18 months (the time required to qualify for benefits). Then when you file your 1956 income tax return, your benefits will be refigured and your benefits will be increased. The increase will be paid retroactively back to the time you got your first check.

Your monthly benefit from a net income of $1,800 would be $68.50. Since your wife is also past 65, she would get a check equal to half your benefit. The two of you would get a monthly benefit of $102.80.

"But she only bucks when she goes under trees."

"Aw, come off it! I've offered to take you out to eat before."

Legal Questions To Service Bureau

To the Editor: How should we write legal inquiries to your Service Bureau? Who answers them?—C. N., Davis county, Iowa.

Legal letters to the Service Bureau have to be photo-copied. Therefore it would be easier if you write on only one side of the paper. Either ink or pencil can be copied on the machine we use.

But be sure all parts of the letter are readable. And copy it over if any part gets smeared in writing. Otherwise we can't get a good, clear copy.

Legal letters to the Service Bureau are answered by the Public Information Committee of the Iowa State Bar Association as a public service.

Home Freezers Are Taxable

To the Editor: When home freezers came in use, I understood if they were placed in the kitchen in your home, they would not be taxed. Three years ago we put a freezer in our kitchen, and it has been assessed each year since. Can a home freezer be taxed if it's in the kitchen?—B. H., Jones county, Iowa.

Chapter 427.1 of the Iowa Code provides as follows:

"The following classes of property shall not be taxed:

Family equipment:

Family pictures, household furniture to the taxable value of three hundred dollars, and kitchen furniture; beds and bedding requisite for each family; all wearing apparel in actual use; all food provided for the family."

The legislature has not defined "family equipment," and the Supreme Court of Iowa has not had to rule whether or not a home freezer is included in this exemption.

The Iowa state tax commission has adopted the policy that home freezers are neither furniture nor kitchen equipment and should be listed and taxed separately as other personal property.

The foregoing is intended to inform and not to advise. Facts may change the application of the general principles expressed here. You are advised to consult a local lawyer of your own choice.

Legal inquiries to the Service Bureau of Wallaces' Farmer and Iowa Homestead are answered by the Public Information Committee of the Iowa State Bar Association as a public service.

Today's tractors are different from those of just a few years ago. They are more powerful, better designed, and more expensive. To get the best performance and longest life from today's powerful engines, you need modern lubrication. In the article below, an expert tells how to solve some present day tractor lubrication problems, and get more work from your tractor at lower cost.

Interview with Gore reveals

Why Newer Tractors Need A Low Wear Rate Motor Oil

In putting heavier loads on bearings and making tolerances closer, tractor makers have thrown a challenge to the oil industry. Here's how one oil company has met that challenge:

"MANY farmers abuse their tractors needlessly by using a motor oil not suited to modern tractor engine needs," according to C. E. Gore, Superintendent of the Lubricating Division of Skelly Oil Company, in an interview recently.

"Since 1946, tractor manufacturers have vastly improved their models," according to Gore. "Higher compression ratios give amazing new power and performance. But higher engine temperatures, closer tolerances and alloy-type bearings have made lubrication problems much more difficult.

"That's why modern tractors need today's most modern motor oil. A low grade oil can mean expensive engine repair or replacement years before it should be necessary.

"Today's top motor oils are *made*, not found," Gore continued, "and Skelly has long been recognized as a leader in developing modern motor oils. Many years of research and experience resulted in the development of Skelly Fortified Tagolene HD Motor Oil. Known throughout the oil industry as 'the' low wear rate motor oil, it was designed especially for today's high-compression, high-temperature engines.

"Because Skelly Tagolene maintains a tough, stable coating at high temperatures, it does a *better* job of lubricating your engine," Gore went on. "This even film lets all the moving parts of your engine operate easily. Yet Skelly Tagolene pumps freely at temperatures as low as 30 degrees below zero—important to you when you start your engine on cold mornings.

"This ability to retain its body at high engine heat and still flow freely at low temperatures is measured by a laboratory test called the *viscosity index*. And Skelly Tagolene has consistently had a higher viscosity index than competitive oils.

"Skelly Tagolene cools your engine better, too, because that even film of oil carries heat away from working surfaces in your engine. And because it does not thin out easily, Skelly Tagolene forms a seal between cylinder walls and pistons, helping reduce compression loss.

"Finally, special additives in Skelly Fortified Tagolene HD Motor Oil keep your engine free of sludge, acids, protect against rust, and resist corrosion. High 'flash' and 'fire' points mean you can expect low consumption, too."

Engine tests in laboratories and in the field prove that wear on engines can be reduced 50% to 75% with proper lubrication. So why take chances with anything but the very best? Call your Skelly Tank Man today for Skelly Fortified Tagolene HD Motor Oil.

Make sure you get the most from your gasoline dollar — switch to the Skelly Farm "Power Pair," Skelly Fortified Tagolene Motor Oil and Skelly Gasoline. Get up to 10% more power and protection. Skelly Oil Co., Box 436, K. C., Mo. (Advertisement)

NOW- Baby Pigs Gain F-A-S-T with STANDARD'S

Sugar Sweetened 20% CREEP FEED

Your baby pigs will love sweet, nutty-flavored STANDARD Creep Feed . . they'll start nibbling as early as 4 to 5 days! Are often weaned at 5 to 6 weeks! Weigh up to 25% more at weaning time!

Try this completely balanced ration. It helps you avoid runts, keeps litters growing uniformly. Pigs stay healthier because early weaning cuts the risk of transmitting diseases and parasites from sow to pigs. Helps prevent loss of sow's weight. Pigs are ready to go on full feed weeks earlier. They'll be ready to market 1 to 2 months sooner.

Your local STANDARD Man will see you soon with amazing facts about how to increase your pig profits. If there is no STANDARD Man in your vicinity, write us for full details.

FREE valuable Home Feeders Book telling what the Standard Program is accomplishing for many of your neighbors. Send card today!

STANDARD CHEMICAL MFG. CO.
Dept. W-3 Omaha, Nebraska

PROTECT YOUR LIVESTOCK...PROTECT YOUR PROFITS
with amazing COOPER-TOX EXTRA
(contains Toxaphene/BHC and CTX-54)

KILLS FLIES • LICE • TICKS

• CURES HOG MANGE AND SHEEP SCAB
• REDUCES SCREW WORM INFESTATION

Keep your cattle, sheep, hogs and coats in peak condition with COOPER-TOX EXTRA. Thousands of stockmen have proved COOPER-TOX EXTRA *kills flies, lice and ticks faster . . . protects longer . . . prevents reinfestation!*

MOST EFFECTIVE PROTECTION AT LOWEST COST
It takes only a little COOPER-TOX EXTRA to do a thorough job. Just *one gallon* of COOPER-TOX EXTRA *makes 150 gallons* of full strength spray or dip. COOPER-TOX EXTRA also cures hog mange, sheep scab and reduces screw worm infestation. Easy to use in hard or soft water. It costs you *less* to protect your livestock with the best . . . with COOPER-TOX EXTRA. Get it today at your favorite dealer.

KILLS FASTER! PROTECTS LONGER! COSTS LESS!

WILLIAM COOPER & NEPHEWS, Inc.
1909 N. CLIFTON AVE., CHICAGO 14, ILLINOIS

FOR 40 YEARS
HANSON SILOS
HAVE SET THE
STANDARD for QUALITY

Here's why more and more farmers buy Hanson Silos each year!

- Strong reinforced concrete stave construction gives maximum durability—eliminates upkeep.
- Equally suited for corn or grass silage—reasonably priced—efficient and attractive.
- Built by a manufacturer with 40 years of experience in silo construction.

YOUR BEST BUY IS A HANSON SILO
Write, phone or stop in for complete information

Emil Hanson & Sons Since 1916
HANSON SILO CO.
PLANTS AT: Lakeview, Iowa. Lake Lillian and Laverne, Minn.

Young eyes are focused on the screen as conservation officer Walt Harvey of Marshalltown, Iowa, shows one of the Iowa Conservation Commission's films at a school. Photo is by Jim Sherman.

Got program troubles?

Then try an outdoors or recreation film at your next meeting. Here's how to get one from the Iowa Conservation Commission

"ONE of the best programs we ever had!"

"Educational, and interesting too!"

"I got a kick out of the boys. They hardly breathed as they watched the rabbit-hunting scenes in the film!"

Such comments are typical following a talk and film presentation by one of Iowa's 100 state conservation officers. These programs are available to church organizations, schools, and any group of persons interested in knowing more about making full use of our natural resources.

Such films as "Pond Life," "Water Birds" or "Three Little Bruins" thrill the youngsters with intimate scenes of wildlife families. Older children, in FFA and 4-H groups, are spellbound by "Iowa's Big Five," a hunting film, and will learn shooting safety rules from the mistakes made by "Trigger Happy Harry," in the film of that name.

Anyone who appreciates the full scope of conservation will like "Yours Is the Land," "The Heritage We Guard," and "Your Friend the Soil—Keep It Or Lose It."

For nature lovers, there's "The Living Forest" and "Spring Comes To The Woodlands," both in kodachrome, as are many others. A film on Iowa parks will appeal to see-Iowa-first fans, or almost anyone.

Many other films are available. Your conservation officer is familiar with them all, and can help you choose the right ones to show.

There are six on fish, nine on mammals and birds, nine on forestry, six on safety, 15 on conservation, six miscellaneous, and 23 which are former TV films. New films are frequently made for TV, and are available for general showing after being seen on Iowa stations. Check your local listings for "Outdoor Talks," and you can see the films on TV.

A listing of all films available may be had by writing to the Iowa State Conservation Commission, Des Moines, Iowa.

Or you may contact your local conservation officer, who will order them. If you don't know him, the sheriff or county superintendent of schools can give you his name and address.

It takes several weeks to schedule films—and sometimes longer—if you have specific ones in mind. Of the most popular films, duplicates are available.

There are many other services performed by the conservation commission that may be of particular interest to you.

One of the most valuable during the winter is the trapping school.

Farmers wanting to learn effective fox trapping can apply to their local conservation officer. If enough are interested to make up a group, a class demonstrating the best trapping methods may be held.

A welcome monthly arrival in thousands of Iowa homes and schools is the Iowa Conservationist, a magazine dedicated to better hunting, fishing and conservation. Two books, "Water Fowl In Iowa" and "Iowa Fish and Fishing," make a hit with sportsmen and nature lovers.

School children, already good friends with Smokey Bear and his fire-prevention crusade, find conservation an interesting subject for further study. Various helps are available from the conservation commission for both students and teachers. Booklets such as "Who's Who In Iowa's

(Continued on next page)

Can fit any audience

(Continued from last page)

Zoo," "A Peek At Iowa Wildlife," "Bird Study For Schools," and "Conserving Iowa's Wildflowers" are available, as well as Smokey Bear posters and Forest Service material.

When the big truck containing the Wildlife Exhibit arrives at a school, county fair or centennial festival, excitement runs high. Here's an opportunity for the youngsters to observe closely various fish and game native to Iowa, and they make the most of it!

When the truck is going to a school, appropriate material for before-hand study is sent in advance. Requests for the truck's appearance should be made months in advance, as its itinerary must be carefully planned due to the expense of travelling.

Families desiring information on state recreation areas may obtain it from the Commission.

A list of state parks is available, with the types of facilities listed, including cabin and camping notes.

Whether your program audience, contains little tykes, teenagers, old-timers, or in-betweeners, they're sure to be interested in some phase of natural history, outdoor sports, or conservation. The commission has programs for all, and can fit any type of outdoor appetite. And best of all, it's all yours for the asking! —Maxine Schweiker.

One-Half Horse Per Farm

Iowa farmers had an average of less than one-half of a horse or mule per farm on January 1, according to the annual livestock census.

Total was 88,000 head compared to 98,000 one year before. These figures compare to 1,243,000 on January 1, 1926, 30 years ago. On that date, Iowa farmers had an average of six horses or mules per farm.

Horses and mules in the United States went down in numbers during 1955 too, but not by so large a percentage.

Total for U. S. last January 1 was 3,962,000 head compared to 4,309,000 one year before.

Iowa farmers reduced horses and mules over 10 percent during 1955. U. S. farmers reduced work stock about eight percent.

Dairymen Boost Efficiency

Milk production on Iowa farms during January was eight percent greater than in January, 1955, according to a crop and livestock reporting service estimate.

That was despite the fact that Iowa milk cow numbers had dropped about two percent in the last year. Higher rate of production per cow is credited for the increase.

For the nation, January milk production was five percent above last year's previous high record.

MAKES HISTORY'S FIRST

304 BUSHEL YIELD*

ON A MEASURED ACRE

TOP YIELDER IN IOWA

Funk's G-Hybrids are bred to make the most corn —the best corn—that soil and season can produce. Proof that they do, comes from our customers. Each year, hundreds more Iowa farmers tell us that Funk's-G does the best job for them . . . gives them more profit per acre than other brands.

"If I hadn't had Funk's-G last year I wouldn't have had nearly as much corn. My Funk's-G beat two other kinds by 20 bushels per acre—and it was much better in quality also."
Jack Stewart—West Des Moines, Ia.

"I've used Funk's-G for years. Tried one other brand for the last time in '55 as the quality was very poor compared to Funk's-G. I'd have been money ahead if I'd planted all Funk's-G."
Marvin Dill—Morning Sun, Ia.

"Funk's-G stands good, makes big yields with no barren stalks —and I'm always able to seal it in the fall. Another reason I like Funk's-G is that they sure give us farmers new and better hybrids."
Keith Kenison—Kensett, Ia.

FUNK'S-G A WINNER IN 5-ACRE YIELD TESTS

Congratulations to these farmers who combined good farming practices with adapted Funk's G-Hybrids to produce winning yields in their county 5-Acre Yield Tests:

Delaware Co.: 1st, G-16A—86.84 Bu. per acre. Grown by Gordon Keith

Marshall Co.: 1st, G-75A—114.47 Bu. per acre. Grown by James Ruopp

Keokuk Co.: 1st, G75A—89.5 Bu. per acre. Grown by Elvin Lusrs

Wapello Co.: 1st, G-75A—117.84 Bu. per acre. Grown by Dwight Rice

Humboldt Co.: 1st, G-75A—107.15 Bu. per acre. Grown by Norman Pitstick

Hamilton Co.: 1st, G-75A—89.46 Bu. per acre. Grown by Daniel Keans

Pocahontas Co.: 1st, G-75A—96.7 Bu. per acre. Grown by Gerhardt Poppen 2nd, G-16A—94.25 Bu. per acre. Grown by Jim Perry

On your farm, for TOP YIELDS of QUALITY CORN on STANDING STALKS—corn that dries fast and keeps well in the crib — plant Funk's-G in '56. Order the adapted G-Hybrids your dealer recommends . . . take delivery **now**.

*Lamar Ratliff, Baldwyn, Miss., produced 304.38 bushels on a measured acre with an adapted Funk's G-Hybrid in 1955.

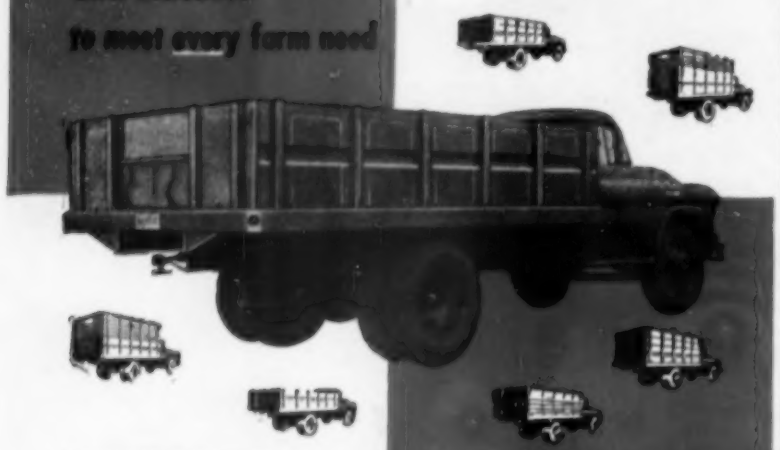
Forty years of continuing research makes Funk's G-Hybrids

Consistently Good year after year

FUNK BROS. SEED CO.
BELLE PLAINE, IOWA

Now! KNAPHEIDE offers over 100 body combinations and sizes... to meet every farm need

One or more 12" tip-tops can now be added to the KNAPHEIDE grain body for hauling bulky grain. Or, slip-on racks can be added for hauling livestock. Convenient hinge-down racks are also available.



Dependable KNAPHEIDE bodies are engineered for tough farm jobs with high tensile steel all-welded platform understructure and grain sides. Platforms available with floors of heavy duty 2" wood or all steel. KNAPHEIDE bodies give long years of repair-free service, hold larger payloads, offer more time and money-saving conveniences.

KNAPHEIDE

For full information, see your truck dealer or write nearest distributor listed below.

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MOLINE BODY CO.
Moline, Illinois

SWANEY OIL & EQUIP.
Fort Dodge, Iowa

a well-made fence with

DIERKS Pressure-Treated Posts

What a difference Dierks Posts make in the appearance of a farm! They are a *permanent* improvement, too—an improvement that adds much to the resale value of your property this year and up to 30 more years. These straight, strong Southern Pine posts are pressure-treated—literally "shot through" with preservative oils, creosote or Penta, for long life. Consider appearance and the Dierks Guarantee that promises complete satisfaction, plus money saved by avoiding future labor and replacement expense. Overall, Dierks Pressure-Treated Fence Posts are the most economical fence posts you can buy—a sign of a well-managed farm.

Look for the aluminum tag with the big "D" on the end of every genuine Dierks Post—round for creosote, square for Penta. The big "D" is your guarantee!

See your lumber dealer!

Dierks Forests, Inc.

Dierks Bldg. 1006 Grand, Room 716 Kansas City, Missouri

QUIPS AND QUOTES

IN THE OLD DAYS, the hand that rocked the cradle ruled the world . . . . now it gets about 50 cents an hour.—Lake Mills Graphic.

THERE IS NO wholly satisfactory substitute for brains, but silence does pretty well.—Adair News.

IT'S A WISE THING to be satisfied with your lot—even if you haven't a lot.—Manning Monitor.

NOBODY EVER GETS anything for nothing, but a lot of people keep trying.—Van Buren County Register.

WE ONCE KNEW a fellow who was so conceited that he joined the navy so that the world could see him.—Gowrie News.

IF A SUCKER is born in this world every minute, it is about time to stop the clock.—Victor Record.

THOUGHT FOR THE WEEK: It is easier to do a job right—than to explain why you didn't. —Gowrie News.

THERE IS MORE satisfaction in patting a man on the back than in standing on his neck.—Sioux Rapids Bulletin-Express.

IT SOMETIMES HURTS more to be run down by gossip than by an automobile.—Clear Lake Mirror-Reporter.

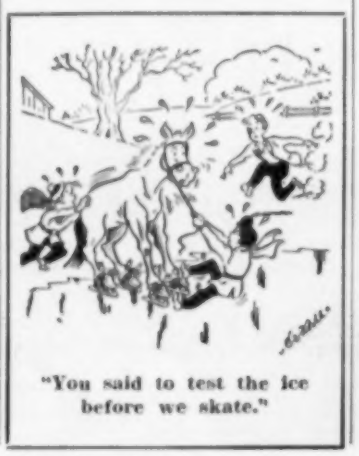
WHEN YOU'RE AVERAGE, you're as close to the bottom as you are to the top.—Dayton Review.

IN THE END, the greatest man in the world will be he who was right.—Decorah Public Opinion.

ACCORDING TO SQFF, "More than one woman started out playing with fire and ended up cooking over it." — Oakland Acorn.

TOO MANY DOLLARS in the wrong man's pocket soon crowd out the sense in his head. —Iowa Farm Equipment Retailer.

IF IT WASN'T called "work," a lot of people would be happier doing it.—Kossuth County Advance.



"You said to test the ice before we skate."

MORE DOLLARS in Bigger Yields for only PENNIES per acre!

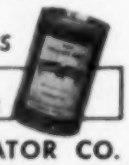
Hansen's Inoculator for

Soy Beans and All Other Legumes

The photo above shows (left) soy bean growth from seeds inoculated with Hansen's and (right) growth from seeds not inoculated but planted at the same time and place. Here's proof that Hansen's Inoculator puts live, active, nitrogen-fixing bacteria to work . . . grows healthier, larger plants with better root development and more nodules. Hansen's Inoculator averages less than 20¢ per acre in cost . . . yet boosts soy bean yields as much as 20 bushels per acre. And the soil is actually enriched for the crops that follow; enabling you to make savings on fertilizer. Yes, Hansen's Inoculator is what you need for bigger profit yields of soy beans and all other legumes. At better dealers everywhere.

INSIST UPON HANSEN'S

LOOK FOR THE HANSEN BANNER



HANSEN INOCULATOR CO.
URBANA, ILLINOIS

Use d-CON as directed and

GET RID OF RATS AND MICE FOREVER!

You don't have to be an expert — anyone can use clean, odorless d-CON!

Don't gamble with the 27 dread diseases known to be carried by rats and mice. End property loss, food contamination and risk of fires caused by these vicious rodents. Follow simple directions and d-CON is safe to use around children and pets yet so effective it rids your property of rats and mice forever! Get d-CON today! Stop rat disease and destruction NOW!

d-CON with LX3-2-1 works where traps and poisons fail

Rats are smart. As soon as one or two are caught in traps or killed by poison, the rest of the rat colony becomes bait-shy. Because d-CON is odorless, tasteless, and causes no pain, rats and mice never realize that d-CON with LX3-2-1 is causing their death.

d-CON IS GUARANTEED TO RID YOUR PLACE OF EVERY RAT AND MOUSE IN 15 DAYS—OR MONEY BACK.

Get d-CON at drug, grocery, hardware, feed or department stores.

Why sows go down

Ever have any trouble with sows going down in the back while nursing pigs? In the article below, Dr. John B. Herrick, Iowa State College, explains why this sometimes happens and how to avoid it.

IT'S NOT unusual to find sows going down in the back after suckling pigs a week or more.

Generally, this trouble stems from the kind and amount of feed the sow has gotten during the gestation period. Sows that have been fed plenty of alfalfa, protein and mineral during gestation usually don't break down.

But when a sow is short of important nutrients and suckles a good litter, she is drawing on her body reserves.

Here are some pointers on what to do if one of your sows does go down:

1. Start the little pigs using a creep at two weeks. Rolled oats, hulled oats, or a pig starter are good feeds. Then the pigs won't demand so much from the sow.
2. Take the pigs away from the sow if they are over a month old. Put the sow on a diet high in mineral and protein.
3. Put a handful of a good mineral mixture and vitamin supplement on the sow's feed once a day to make sure she gets enough of these nutrients.
4. Sometimes it helps to slop these sows to make their feed more palatable.
5. Caution: Erysipelas, arthritis, and brucellosis often cause sows to go down. Disease shouldn't be confused with a nutritional deficiency.

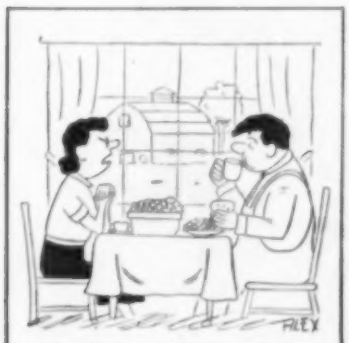
Windbreaks Save Heating Bills

Home heating bills caused by cold winter winds can be reduced by tree windbreaks.

That claim comes from H. W. Gilbert and Ed Lott of Purdue University.

Many farm owners have said their farms are worth at least $1,000 more as a result of windbreak plantings, Gilbert and Lott report.

March and April are ideal months to start windbreaks, the Purdue men say. For best protection, the windbreak should be 100 to 150 feet from the center of your buildings. Plant at least three rows of trees for a good windbreak.



"Trying to solve the farm surplus problem all by yourself?"

FROM STARTING TO LAYING . . . IT'S THE

VICTOR FEEDING PROGRAM

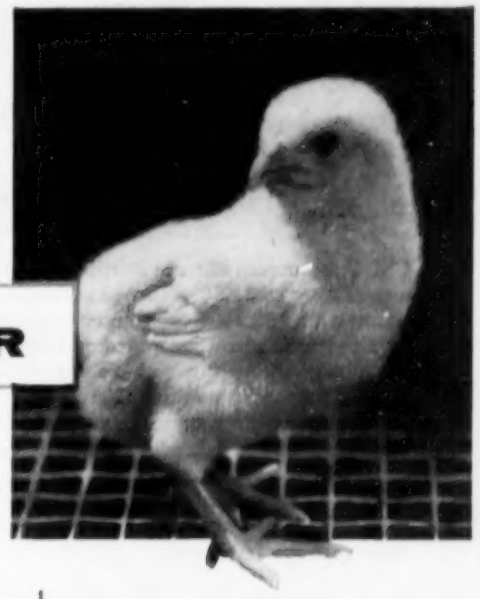
THAT MAKES THE *EXTRA PROFITS!*

YOU FEED FOR QUALITY . . . ALL THE WAY WHEN YOU FEED THE VICTOR WAY

When you feed your flock VICTOR FEEDS . . . you are feeding a *complete* program designed by foremost poultry authorities — with an outstanding year-after-year record of results on the farm. You get more than poultry feeds with highest nutritional benefits. You get, also, the latest research and information on breeding, health control, management procedures and feeding. That's why VICTOR FEEDS *plus* the VICTOR FEEDING PROGRAM mean EXTRA PROFITS for you!

START YOUR CHICKS THE *PROVED* WAY

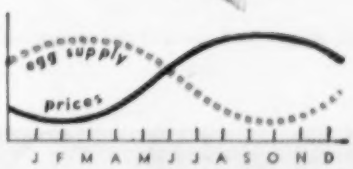
VICTOR CHICK STARTER



STARTS 'EM RIGHT!
KEEPS 'EM RIGHT!

VICTOR CHICK STARTER furnishes your chicks properly balanced and blended nutrients essential to maximum livability and vigor . . . chicks that grow and mature fast . . . that develop early into hens with a high yield of quality eggs.

That's the kind of feed you want for YOUR chicks to *start* 'em right AND . . . the complete VICTOR FEEDING PROGRAM will help keep 'em right. So . . . from the first day, feed your chicks VICTOR CHICK STARTER — and plan ahead for best profits from your flock.



"TIMED-MARKETING" is vital . . . if you are to have a profitable poultry operation. The graph above shows yearly egg supply fluctuations in comparison with the fluctuating price market. *Prices are up . . . when the supply is down.* Usually, the producer who starts his chicks early reaches peak egg production during those months when prices are highest. "TIMED-MARKETING" can make a profit for you in eggs . . . when others are just "getting by."

FREE

NEW VICTOR POULTRY PROFITS GUIDE

Ask Your Victor Dealer . . . Or Write Direct To Us

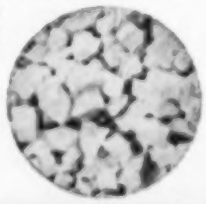
THE CRETE MILLS *Division of Lasbeff Grain Company* CRETE, NEBRASKA

HIGHER PROFITS from fewer acres

Fewer acres can provide higher profits when the yield per acre is increased through good farming practices. Careful land management, choice of a high-quality seed, continuous weed, insect and disease controls are all very necessary. But, perhaps the most important practice is improving soil fertility. By following a recommended fertilizer and liming program, you will add what the soil requires in the correct amounts. You can increase yield per acre at relatively low cost by increasing your use of nitrogen. A good source of nitrogen in solid form is CSC Ammonium Nitrate Fertilizer.

CSC AMMONIUM NITRATE GIVES TWO-STEP ACTION

CSC Ammonium Nitrate Fertilizer is guaranteed to contain a minimum of 33.5% Nitrogen. Two-step action is possible because this 33.5% Nitrogen consists of equal quantities of quick-growth nitrate nitrogen and sustained growth ammonia nitrogen. The illustration shows the exclusive actual size of CSC Ammonium Nitrate Fertilizer. It flows freely, spreads evenly, never clogs or sticks in the spreader. Low-moisture CSC Ammonium Nitrate is specially coated and packed in sturdy bags to prevent caking or lumping during storage. Spend your fertilizer dollar wisely — look for CSC's green and white bag the next time you buy fertilizer.



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Why settle for less—when you can learn Auto Mechanics—America's No. 1 trade! *It offers you better jobs, higher pay, lifetime security.* Earn up to $125 a week and more. Train at home in spare time the easy, practical CTI way. Get valuable tools and Tune-Up Kit. *Write for new,* FREE BOOK.

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Smooth, light-weight unit has 12 H.P. cutting capacity. Safely trims, fells, bucks! Converts to post hole digger or universal power drive. Fits all tractors . . . Thousands in use . . . Money back guaranteed!

Hydra-Flex, Inc., 28 Front St., Claremont, Minn.

Voice of the farm

Those Millionaire Farmers!

To the Editor: I have no doubt that many of the farmers who want the government to spend a few billion to help them are worth more than $100,000. And some of them probably are millionaires.

No plan can be found that will make all farmers rich. It is too easy to borrow money. And there are too many ways to spend it foolishly.

Some of those who are doing so much calamity howling ought to tell us how the government should raise the money they want given to them. It could get part of it back from them by raising the tax on small incomes and levying a national sales tax. —E. J. Warren, Van Buren county, Iowa.

Must Control Production

To the Editor: We may deplore the tendency in this country toward a more controlled and subsidized economy.

Nevertheless, it is the kind of economy we have, and are likely to have more of in the foreseeable future. And it makes more sense for agriculture to try to find its rightful place in this sort of economy than for us to buck the tide and attempt to preserve an independent rugged individualism in an environment of regulated, subsidized and protected industries.

. . . . The key to any sound farm program must be control of production.—Don Reese, Monona county, Iowa.

Says Farm Bureau Pulled "Boner"

To the Editor: Benson admitted he pulled a "boner." What about the heads of our powerful Farm Bureau doing the same?

I think Howard Hill, president of the Iowa Farm Bureau Federation, better take another check on Iowa farmers, as he sent a telegram to Benson saying the "overwhelming number" of Iowa livestock men are opposed to price supports on cattle and hogs.

I say that the Farm Bureau heads are not speaking for us members. I have been out on a polio drive, and have talked with many farmers. And I did not find one that was opposed to a support on hogs.

The Farm Bureau heads say we want a long range program. That is all right. But if a man is drowning, you would not wait for two years to save him.—Logan McCool, Adair county, Iowa.

Wants Voluntary Reduction

To the Editor: I suggest that everyone thruout the USA who kept brood sows in 1955, reduce by 20 percent "voluntarily" the brood sow herd for 1956.—Chas. L. Arnaman, Poweshiek county, Iowa.

Farm Wife Does Some Figuring

To the Editor: There seems to be some argument as to whether or not the farmer deserves a high standard of living. Some of the large newspapers and magazines in our larger cities don't seem to think so.

Let's put it this way. Who has a better right to a good living?

If we had the money we have in our farm and equipment and livestock invested in some good stocks and bonds bearing five percent interest and the pay of an average packinghouse worker for all the hours my husband puts in farming, do you know how much we would be making a year? $8,413.68!

And that's throwing in our Sunday chores and all of my work for free! (I'm enclosing my figures.) Believe me, sometimes it's a temptation!—Mrs. Jim Moss, Woodbury county, Iowa.

Mud-Road Mac

"Does this mean the boy friend is coming home on leave?"

More
FARM COVERAGES
at no extra cost with...

COUNTY MUTUAL FARM INSURANCE

100 YEARS OF FARM PROTECTION 1856 · 1956

Your County Mutual gives you so much more protection for the money . . . sound protection against fire, lightning, windstorm, smoke damage, riot, vehicles, explosion, aircraft, electrocution of livestock, overturn of machinery, fire in standing grain, and theft of personal property. Contact your local County Mutual for the best in farm insurance.

FARM SAFETY HINT FOR THIS MONTH

Keep fire extinguishers on tractors and in machinery sheds. Park tractors and machinery on clean, fireproof floors.

This message sponsored by:
FARMERS MUTUAL REINSURANCE CO.
GRINNELL, IOWA
Serving Farm Mutuals Since 1909

We've proved it 15,000 times!

NEW JACUZZI DEEPRIME JET
proved self-priming on 15,000 deep well installations
—Candido Jacuzzi

Here's proof! Now with Jacuzzi's new patented Deeprime Jet, you can have trouble-free automatic water service as never before possible. It's the only deep well jet pump in the world that's self-priming. Don't settle for less!

● Self-priming on wells to 400 feet. Adjusts automatically to changing water levels. Shuts itself off if water level drops. Nothing else like it.

Jacuzzi FULLY AUTOMATIC DEEPRIME JET DEEP WELL WATER SYSTEM

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BE CHOOSEY · BUY JACUZZI

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4100 Bayless Ave., St. Louis 23, Mo.
Please send free bulletin and name of nearest dealer. Depth to water at my place is about _____ feet.
NAME _____
ADDRESS _____

"Now what would I be doing with your smelly old pipes?"

Points To Another Benson Poll

To the Editor: The research department of the Union Livestock and Transit Company just published a survey of 2,000 shippers to the yards in Chicago. This found 53 percent were behind Secretary Benson and only 32 percent against him. These same farmers didn't want the government meddling. I don't know how you take your sampling, but I wonder how democratic the folks are that you interview. The next thing, I expect the Wallaces' Farmer and Iowa Homestead will blame the drought in Iowa on Benson. . . .

Why don't you try a switch for about three months and get behind Mr. Benson? I'll bet you will accomplish more.—Wilder Fay, DeKalb county, Illinois.

Of the farm people interviewed in the Wallace-Homestead Poll on Benson, 68 percent voted for Eisenhower in 1952. The whole sample interviewed, including both Republicans and Democrats, gave Secretary Benson a seven percent "good" vote, and a 48 percent "poor" vote. —Editor.

Tired Of Hearing Complaints

To the Editor: I am a farmer's wife—have been for 45 years. But I get tired hearing the farmers complaining.

They remind me of the hound that sat on a sandburr down in Missouri and howled because he was too lazy to move.

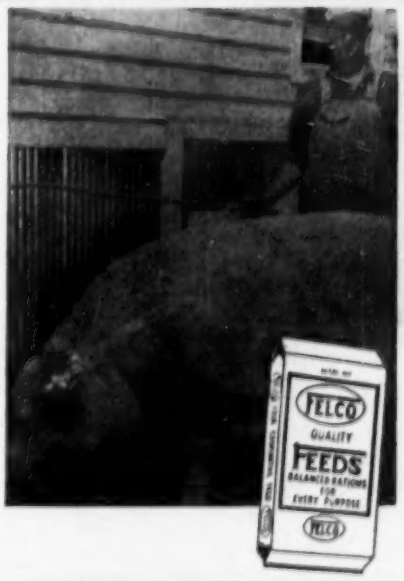
What I can't understand is why they hire people to teach their wives and daughters to cook with substitutes. If they will get out and advertise their products like some of the substitutes are advertised, I think they might get better prices.—Mrs. Byron Clark, Linn county, Iowa.

Where Are Small Farmers?

To the Editor: We watched Ed Murrow's report on the farm program. Oh where, oh where is the small farmer? We mean ones on 80 to 160 acres—also renters on 50-50 leases on farms of 120 acres to 160 acres.

You never see government guys talk to small farmers or renters. They never take important men to see the small farmer or renter for interviews.—Mr. and Mrs. Edwin Mielke, Goodhue county, Minnesota.

more "WET STRENGTH"
–better milk filtering– at a low-low cost to you
made with FARM GROWN cotton
Elgrade MILK FILTER DISCS



"TWENTY years we've stuck to a FELCO FEEDING PROGRAM and I think it's the best," says R. A. Riemenschneider of Kingsley. "It's a good blended feed and the hogs really love it," he says. Thousands of Iowa farmers have learned the value of a FELCO FEEDING PROGRAM. Why don't you? Available only at your farmers cooperative.

STOP UNNECESSARY DEATH LOSS AMONG YOUNG PIGS! For **3c** Per Pig

Nutritional anemia is one of the principal causes of death loss among young swine.
At birth, pigs have a reserve supply of iron, etc., for only a few days.
This can be corrected easily with Dr. Olson's new pill dispensing gun. Each gun holds 15 pills, made especially to treat anemic pigs. One pill every ten days contains enough iron, copper and cobalt to do this job.
Act today! Send cash with order or C. O. D. one (1) Doc Olson's Dispensing Gun and (100) pills—Special Offer $5.00. Extra pills for gun 1½c each. Sold on Money Back Guarantee!

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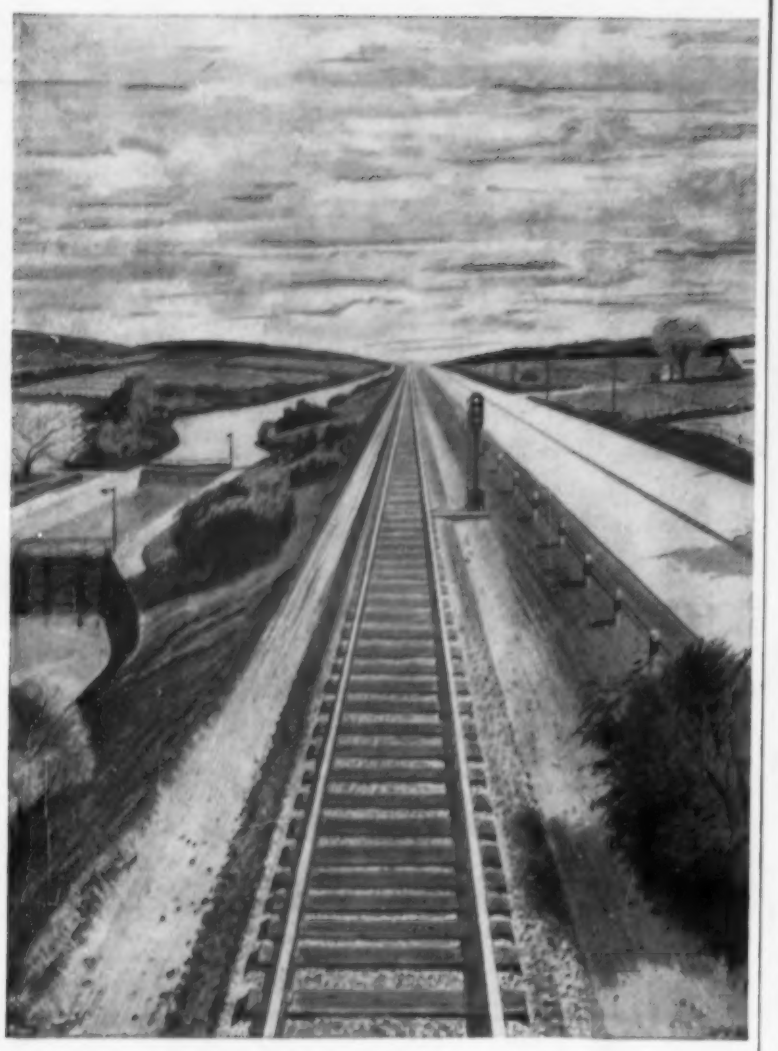


How competitive pricing in transportation would help you

In most American businesses, the benefits of greater efficiency can be passed on promptly to the public. In the transportation business, however, this is not always the case.

Consider what has happened on the railroads:

In the last 30 years the speed of the average freight train has gone up more than 50 per cent; the load has nearly doubled and the hourly output of transportation has increased nearly three times.

To make possible these and other gains in efficiency, the railroads have spent, since the end of World War II, nearly $11,000,000,000—every dollar of which was financed by the railroads themselves.

But — as is shown in the report of a special Cabinet Committee appointed by the President — government regulation frequently denies to the public the benefit of the lower costs of the most economical form of transportation, so as to protect the traffic and revenues of carriers with higher costs. The result, as the Cabinet Committee says, is that shippers and, ultimately, the consuming public must pay more for freight transportation than would otherwise be necessary.

What can be done to correct this unhealthy situation?

The special Cabinet Committee recommended that railroads and other forms of regulated transportation be given greater freedom to base their prices on their own natural advantages. At the same time, government regulation would continue to prevent charges which are unreasonably high or unreasonably low, or are unduly discriminatory.

This would make it possible to pass on the benefits of the most efficient operations to shippers, producers and retailers, and to the consuming public which in the end pays all transportation costs.

Bills based on Cabinet Committee recommendations have been introduced in Congress. For full information about this vital subject, write for the booklet, "WHY NOT LET COMPETITION WORK?"

Association of American Railroads
Transportation Building, Washington, D. C.

Driving a tractor is fun for farm youngsters. But some kinds of work on rough ground can be dangerous. Start your boys out on tractors without attachments. Then gradually work up to field operation with farm equipment.

Should youngsters drive tractors?

Are your boys old enough to operate the farm tractor on all farm jobs?

FARM boys operate tractors on many jobs. But is their judgment sound enough to act quickly in case of emergency?

More farm youths are killed in tractor accidents each year. Last year, 14 farm kids under 16 were killed in tractor accidents in Iowa.

The Wallace-Homestead Poll asked a cross-section of Iowa farm people, "How old should a farm boy be before he's allowed to run a tractor?" Here's how the answers stacked up:

1. 10 years or under	6%
2. 11 years	7
3. 12 years	33
4. 13 years	21
5. 15 years	25
6. 16 years or older	8

"A boy of 10 could handle a tractor for little jobs around the place, but before he takes it for field work, he should be at least 12," says a Webster county farmer.

But a Cerro Gordo county farmwife says, "A boy under 15 just doesn't have the judgment necessary to operate a tractor safely."

Some of the people interviewed thought that it depended upon the boy. Some thought that if a boy was big enough to reach all controls at 10, he was old enough to drive a tractor.

An Ida county farmer commented, "The age boys should be allowed to drive tractors depends on the length of the boy's legs and arms."

But a Webster county farmwife says, "A boy at 11 or 12 years of age isn't strong enough to handle a tractor in the field. And if they get into trouble, they don't think quick enough and reason well enough to get them out."

Other farm people interviewed thought younger boys could operate a tractor safely if properly trained.

"When a boy is brought up on a farm around machinery, he should learn how to be careful while he is still young. The ones who are more reckless are the ones who don't know how to handle a tractor. Thirteen and 14-year-olds know more than their dads think they do," commented a mother of two boys in Jackson county.

A Black Hawk county farmer said, "I feel that so much depends upon the boy and his training. Some men can't even handle a tractor safely. How are they going to teach their sons to be safety minded while on a tractor?"

Men and women voted about the same. But more women than men thought a boy should be 15 or older. Thirty-eight percent of the women interviewed and 28 percent of the men thought a boy should be 15 or over before driving the tractor.

About the same number of women as men thought 10 years was old enough for their son to operate the tractor. And more men than women thought 12 and 13 years was old enough.

One farmer interviewed summed it up like this:

"The age a boy should be allowed to drive a tractor depends on the boy. You can't wait too long to let him drive or he loses the desire to drive. Tractor driving can be more dangerous on a hilly farm. Some boys are more trustworthy at younger ages than others. I'd say 12 years would be a good age for a boy to start on the tractor."

Best bet is to teach boys safe operation from the start.

A WALLACE-HOMESTEAD POLL

"Who did you get to do chores while we're at Grandmother's?"

What Hog Prices In World War II?

To the Editor: Can you tell me when the ceiling was put on hog prices in World War II? What was the ceiling price and the floor price?—A. K., Buchanan county, Iowa.

The ceiling price was put on live hogs on October 4, 1943. The price was $14.75 at Chicago. Ceiling prices were somewhat lower at interior markets.

There had been a ceiling price on pork cuts before this ceiling on live hogs. It reflected somewhat lower prices—around $13 for live hogs.

After the ceiling price went on in October, 1943, top hog prices varied very little for 32 months or until July of 1946. In fact, hog prices at Chicago were never more than one dollar below the ceiling and monthly averages were never more than 10 cents a pound above the ceiling.

The ceiling price was removed in June of 1946. In June, 1946, Chicago prices for live hogs averaged $14.85. In July following, hog prices averaged $23.50. Hogs went up $8.65 with the removal of ceilings.

Test Steers On Pellets, Meal

Yearling steers did better on pelleted feed than on feed in meal form in an Illinois feeding test.

Steers in one lot got ground ear corn, molasses, soybean meal and ground hay all in meal form. They were full fed on the meal and also given 12 pounds of silage per day.

In another lot, steers were fed the same ration except the meal was made into pellets.

Steers on pelleted feed gained 357 pounds in 130 days. With feed in meal form, gain was 335 pounds in 130 days. Extra gain for steers fed pellets was 22 pounds.

With pellets, the steers ate 729 pounds of concentrate and hay for each 100 pounds gain. Meal-fed steers required 845 pounds for 100 pounds gain. Advantage for pellets was 116 pounds feed per 100 pounds gain.

Of course there is some cost for pelleting, but the gross returns per steer were $8 per head greater in the pellet-fed lot.

Dressing percentage and carcass grades were about equal in the two lots.

NEW PRODUCTS

HELP BOOST DEMAND FOR

Swift sells for you by developing the easy-to-use foods consumers want

Swift is turning out dozens of products with *built-in* convenience . . . on which most of the "get-ready" work is done before they reach the home. Products like these:

. . . Beef, lamb, pork and veal, closely trimmed and *boneless, quick-frozen* and *pre-packaged* in easy-to-store cartons—now being sales-tested.

. . . Pork loins, shoulders and hams with a *new lean trim*—the way consumers want them.

. . . Hams that are *skinless, boneless* and *fully cooked*—ready to heat and serve.

. . . *Brown 'N Serve sausage*—from package to plate in no more time than it takes to fry an egg.

. . . Hamburgers, franks, sandwich steaks and other meats *in cans*—all set to go with just a brief stop on the stove.

. . . Luncheon and sandwich meats, dozens of them—attractively packaged, *made-to-order for quick meals.*

These handy products—and many others produced by Swift—are added incentives to the busy homemaker to *buy more meat.*

Today's consumer wants "convenience" products that save time and work.

It's easy to see why: More than one-fourth of married women have jobs outside the home; millions more are busier than ever with club work and similar activities; all want more free time away from the kitchen. So most homemakers want someone else to handle such tasks as squeezing oranges, mixing cakes and pre-cooking sausage.

Progressive food processors work constantly to give Mrs. Homemaker exactly what she wants. The result is keen competition between *all food products* . . . each seeking a bigger share of the consumer's food budget. If meat—your product and ours—is to hold its own, meat packers must always be on the alert to develop new products . . . to provide a broader outlet for your livestock.

Tom Glaze

SWIFT & COMPANY
AGRICULTURAL RESEARCH DEPARTMENT
UNION STOCK YARDS • CHICAGO

Swift
101st YEAR

To Serve Your Farm and Family Better

MRS. NETTIE JOHNSON, left, helps Mrs. John Hermann serve Cheese Apple Pie to some Polk county, Iowa, neighbors. The men are, from the left, Joe Birkestrand, Nels Lund, Richard L. Alleman, John K. Scott and John Hermann.

A popular cook serves

Desserts men like

I'VE COOKED for many a man in the days when I had charge of the meals in men's boarding houses, and every one of them liked desserts. Many had their favorites, of course, but they all cheered for the ones that were sweet and rich with milk, butter and fruits.

It's pretty hard to find a man who doesn't like chocolate cake. This one is moist and good to the last crumb.

COCOA LOAF

1½ cups sugar
¾ cup shortening
3 egg yolks
1 teaspoon vanilla
½ cup cocoa
⅓ cup hot water
2 cups sifted cake flour
1 teaspoon soda
1 teaspoon baking powder
½ teaspoon salt
1 cup thick sour milk
3 egg whites
½ cup sugar

Cream sugar, shortening, egg yolks and vanilla until light and fluffy. Stir hot water into cocoa, and let cool. Sift cake flour, soda, baking powder and salt together.

Blend cocoa into the sugar-shortening mixture, and add the dry ingredients alternately with the sour milk. Beat well after each addition.

Beat egg whites until frothy. Then gradually add sugar, and beat to soft peaks. Fold into cake batter, gently but thoroly.

Pour into a flat baking pan, about nine by 13 inches, which has been greased on the bottom only. (You want the cake to cling to the sides as it rises.) Bake about 30 minutes at 350 degrees.

Frost with your favorite white or chocolate frosting.

My "boys" liked apple pie the year round. Once in a while, we had apple pie with grated cheese in the crust. This pie is very juicy because there is no thickening in the filling. Jonthan or Winesap apples are the best for this time of year, or you can use frozen or canned apples.

CHEESE CRUST APPLE PIE

4 cups peeled and sliced apples
1 cup sugar
¼ teaspoon salt
½ teaspoon cinnamon
2 tablespoons butter

Sift sugar, salt and spices together, and mix with apples. Let stand while making the crust. Dot with butter before adding the top crust.

1½ cups sifted flour
1 teaspoon salt
½ cup shortening
¾ cup shredded American cheese
¼ to ⅓ cup cold milk

Mix flour, salt and about half the shortening with a pastry blender. Add rest of the shortening, and mix a little, leaving it in large pieces.

Measure grated cheese lightly (don't pack it), and stir into the flour and shortening.

Add cold milk slowly, and make a soft dough. Divide in two parts, and make crusts for an eight or nine-inch pie. Pour filling into bottom crust. Dot with butter, and cover with top crust. Be sure there are plenty of vents for the steam to escape. Bake at 400 degrees about 10 minutes, and finish at 325 degrees.

Big servings of hot spicy pudding with a rich foamy sauce make a fine finish for a soup-and-sandwich sort of meal. You can use chopped dates instead of raisins if you like, but be sure they are moist. If they are dry, soak them in warm water until they are soft. Then dry between paper towels before you dredge them with flour.

SPICY STEAMED PUDDING

1 cup dry bread crumbs
½ cup sugar
2 tablespoons butter
1 cup boiling water
1 cup sifted flour
1 teaspoon cinnamon
1 cup raisins
1 egg
½ cup sorghum molasses
1 teaspoon soda

Measure dry bread crumbs, sugar and butter into a mixing bowl. Pour boiling water over them.

Sift flour and cinnamon together. Dredge raisins with a little flour.

Beat eggs until light. Fill a one-cup measure half-full of sorghum molasses, and stir in the soda.

Add beaten egg and sorghum to bread crumb mixture, and stir in flour and raisins. Mix until well blended.

Fill well greased one-pound coffee can or large fruit can about three-fourths full. Cover with waxed paper, held in place with string or a rubber band. Place can on a low rack (a fruit jar ring will do) in a kettle of hot water. The water should come up about half-way on the can. Steam about 2½ hours or until a toothpick comes out clean. Serve with this:

FOAMY SAUCE

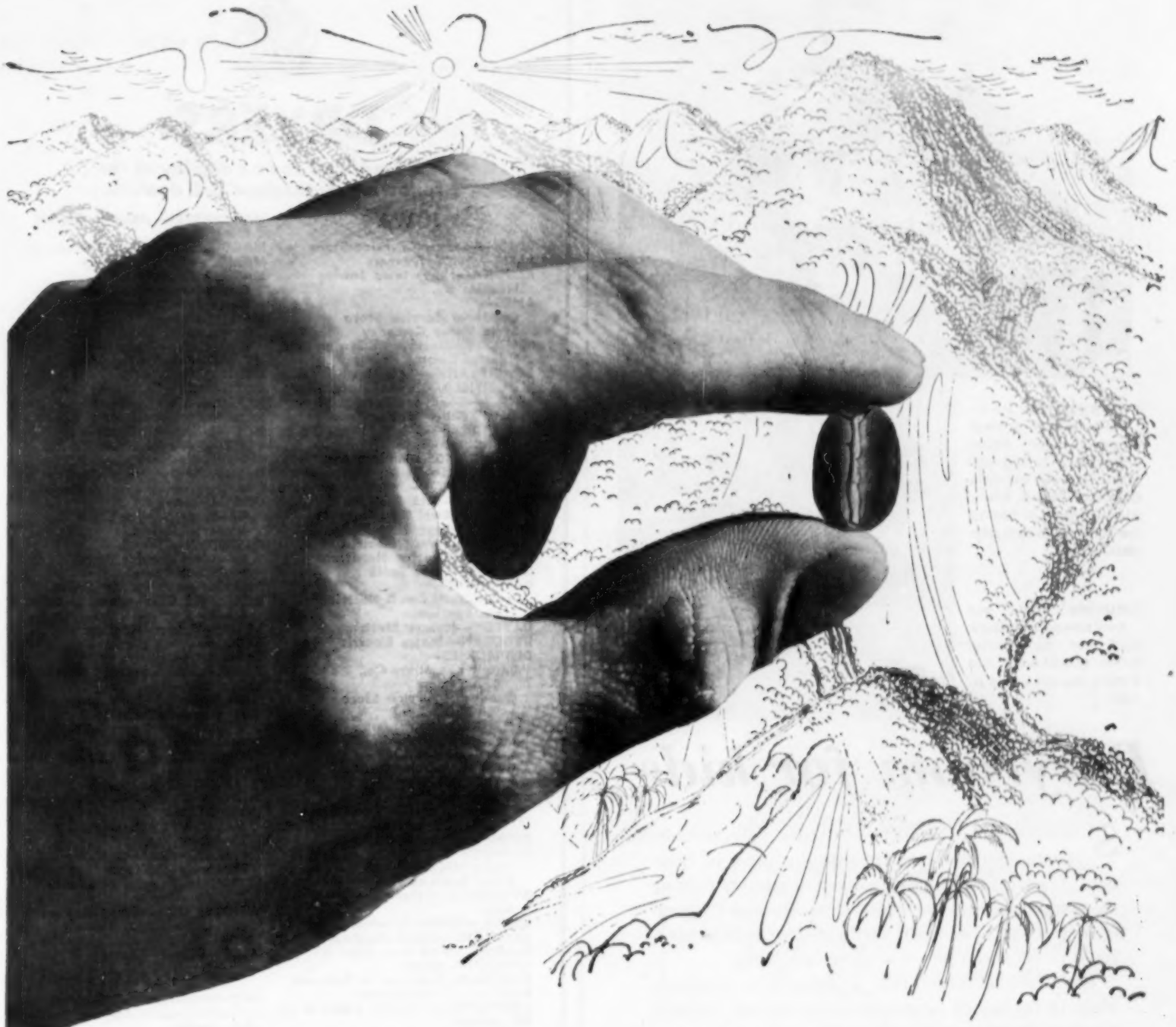
1 cup sugar
¼ cup butter
¼ cup milk
1 egg yolk
1 egg white
½ teaspoon vanilla

Save out two tablespoons of the sugar. Put the rest in a sauce pan with the butter, milk and egg yolk. Mix thoroly, and cook over very low heat or in a double boiler until as thick as white sauce. Take from the heat.

Beat egg white until frothy. Add sugar and vanilla, and beat until it stands in soft peaks. Fold gently into cooked sauce, and serve at once over creamed pudding.—Nettie Johnson.

Homemaking Today

Edited By **ZOE MURPHY**



RARE MOUNTAIN COFFEE!

This is what puts the distinctive flavor in Folger's — a flavor farm families find unusually rich and tangy... never flat, never bitter!

Coffee experts agree—the world's richest, most flavorful coffees are grown in remote mountain regions where nature provides an abundance of fertile volcanic soil, year-round sunlight, and warm tropic rain. These are Mountain-Grown coffees, conceded to have the rarest tang and most satisfying flavor of any coffee known today.

These are the coffees that Folger's selects and blends in their unique way. These are the coffees that give Folger's its rare fragrance, clear amber color and distinctively better flavor—a flavor unlike anything you have ever tasted before. Try Folger's Coffee tomorrow... it's *the* Mountain-Grown coffee!

Folger's Coffee

...mountain-grown

SO MUCH RICHER IN FLAVOR YOU ARE URGED TO USE ¼ LESS THAN WITH LESSER FLAVORED BRANDS!

Copyright, J. A. F. & Co., 1956

DOWNSTAIRS bedroom makes a good playroom for three young sons of Mr. and Mrs. Harold Groth, Calhoun county, Iowa. Studio couch is handy for tired boys and parents.

GROTHS took out bedroom furniture and put in chairs, table, blackboard and a rack for all kinds of toys.

Playroom for kids

SUMMER is no problem—children play outside. But in cold weather, they need a place of their own. It's hard for children as well as parents to have them underfoot all the time. Here are two Calhoun county, Iowa, farm families who have solved the playroom problem tho they live on rented farms.

Both families agree that a downstairs playroom, close to the family centers provides greater freedom for both children and parents.

Photos by Messerly

LOIS JANE and Alan Nuehring play with their things in their half of the family room.

MRS. CLARENCE NUEHRING relaxes while children play. Davenport divides room. Nuehrings have regular living room, too.

-- DRYERS --

Sold, serviced and on display at the following Authorized G-E dealers:

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ADEL—Goodyear Service Store
ALBIA—Oehler Brothers
ALGONA—North Iowa Sewing Machine Co.
AMES—
Goodyear Service Store
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BELMOND—North Iowa Sewing Machine Company
BELLE PLAINE—Sid's Home Appl.
BLOOMFIELD—Hawkeye Hardware
BOONE—Goodyear Service Store
BURLINGTON—Fox Appliance
BETTENDORF—C. L. Meaney Plbg. & Htg.
CEDAR RAPIDS—Modern Appliance
CENTERVILLE—Oehler Brothers
CHARLES CITY—Meusel's Hardware
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CLARION—Bierl Gamble Store
CLINTON—Leggett's
Turner Electric
CRESTON—Creston Hardware
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Iowa-Illinois Gas & Electric
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DAYTON—Hansen Electric
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Barnetts Furniture Co., 409 Walnut
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9th and Locust
210 Euclid
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Gene Nicholson Stores
1331 Kee Way
1400 East 9th
Pidgeon's Farm & Home Store
S. E. 30th and Maury
DOWS—Anderson Supply
DUBUQUE—
Higley Meyer Electric
Miller Radio and TV
DYERSVILLE—Scherrman Impl. & Appl.
EAGLE GROVE—Brauman Refrig.
EARLHAM—Hunter Hardware Co.
ELKADER—Matt Frye Electric
EPWORTH—Silker's
FAIRFIELD—Robinson & Robinson
FARLEY—J. P. Scherrman
FONTANELLE—Baudler Radio & TV
FT. DODGE—
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FT. MADISON—Muerhoff Electric
GREENE—Klassi Hardware
GRINNELL—Ritter Hardware
HAMPTON—Fox Brothers
HUMBOLDT—Van's Skelgas & Appl.
INDEPENDENCE—Kaye Electric & Appliance
INDIANOLA—Utsler Electric
IOWA CITY—Iowa-Illinois Gas & Electric
JEFFERSON—Joen's Hardware
JESUP—Jesup Appliance
KEOKUK—D. A. Gross Furn. & Appl.
KNOXVILLE—Goodyear Serv. Store
LAKE CITY—Kaiser-Mathews Hdwe.
LAKE MILLS—Lande Hardware
LE MARS—Hoffman Electric
LESTER—Megler Repair
LOST NATION—Lost Nation Dept. Store
LOVILIA—Miner's Store
MANCHESTER—Allen & Applebr Electric
MAQUOKETA—Harris Penrose Co.
MARION—Burd Hardware
MARSHALLTOWN—
Goodyear Service Store
Home Furniture
MASON CITY—
Montgomery Ward & Co.
People's Gas & Electric
MT. AYR—Mt. Ayr Furniture
MT. VERNON—Kaliban Appliance
MUSCATINE—S. G. & P. Stein Furn.
NEVADA—Walker Furniture & Appl.
NEW ALBIN—Dresselhaus Hardware
NEWELL—Newell Electric
NEWTON—Ardel Electric
Goodyear Service Store
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OSAGE—Davidson Gas & Electric
OSKALOOSA—
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Jamison Electric
OTTUMWA—
Goodyear Service Store
Pedrick & Thorne
PELLA—Veenstra's Appliance
ROCKWELL CITY—Rummell Sales & Service
ROLFE—Rickard Hardware
SABULA—Martin Driscoll
SHELDON—Geiger's
SIGOURNEY—Sigourney Hardware
SIOUX CITY—
Goodyear Service Store
Montgomery Ward
William's Appliance & TV
Younker Davidson
STORM LAKE—Modern Home Store
TAMA—Tama Electric
TRAER—Ted's Appliance
VINTON—Nick's Appliance
WATERLOO—
Blackhawk Electric
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Home Appliance Center
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WAUKON—Herman Appliance
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WEBSTER CITY—Stepp Appliance
WEST BEND—M. E. Jones
WEST UNION—Dessel's Furniture
WIOTA—Reed's Store

ILLINOIS

EAST DUBUQUE—B & W Hardware
GENESEO—Guild Appliance
JOY—Nobles
NEW BOSTON—McCaw Electric
ROCK ISLAND—Bregstone's
SAVANNA—
Northwestern Ill. Gas & Elec.
Shaner and Handel

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SOUTH SIOUX CITY—Everett's Furn.
WAYNE—Tiedtke Appliance

SOUTH DAKOTA

BROOKINGS—Sand's Electric
HURON—General Appliance Co.
PIERRE—K and L Electric
SCOTLAND—Scotland Electric
SIOUX FALLS—Electric Construction Company
VERMILLION—Thompson Lumber
YANKTON—Kaiser Refrigeration

WISCONSIN

PRAIRE DU CHIEN—Prairie Refrigeration

Reading the Advertisements . .

—tells you what to buy and how to get most value for every penny spent. A dozen needs arise on your farm every week. Knowing which machine, which tools, which automobile, which suite of furniture, which cooking fuel is the best for the price you pay, will save money otherwise thrown away. Perhaps as little as twenty-five cents a week—perhaps a hundred dollars a single purchase.

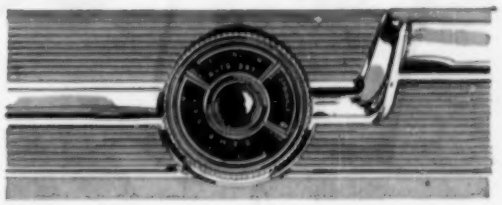
Wallaces' Farmer and Iowa Homestead

NO MORE FROZEN FINGERS!

NO MORE FROZEN CLOTHES!

A NEW KIND OF DRYER...WITH AUTOMATIC CONTROL ...BY GENERAL ELECTRIC

DRIES CLOTHES WRINKLE-FREE...SUNSHINE-FRESH...INDOORS!



New Automatic Control makes this General Electric Dryer the most completely automatic dryer ever made! No more guessing about time and temperature settings. Just set the dial according to the fabrics you're going to dry:

N . . . for normal fabrics, like cottons and linens
D . . . for delicate fabrics and synthetics
H . . . for heavy, hard-to-dry fabrics

The Automatic Control does all the rest! It provides correct time and temperature for clothes load . . . turns dryer off when clothes are perfectly dried! And just look at this list of added convenience features!

- **No Special Wiring Required** . . . operates automatically on 115-volt circuit or on 230-volt circuit!
- **Automatic Sprinkler** . . . dampens clothes in minutes for easy ironing!
- **Air Freshener** . . . gives clothes that sunshine-fresh smell!
- **Foot Pedal** . . . opens door at toe touch!
- **Door Interlock** . . . shuts off heat and motion when door is opened during cycle.
- **Full-Size Capacity** . . . dries a full washer load at one time!
- **Extra-Fine-Screen Lint Trap** . . . catches and holds lint!
- **Powered** by permanently lubricated G-E cushioned-power motor!

General Electric Dryers priced as low as $149.95

G-E AUTOMATIC DRYER...

as low as $2.59 per week* after small down payment

Make up your mind now to dry your clothes sunshine-fresh . . . *indoors* . . . this winter! See this new General Electric Dryer at your dealer's . . . available in white or any of the five beautiful G-E Mix-or-Match colors! Petal Pink, Turquoise Green, Cadet Blue, Canary Yellow, Woodtone Brown!

**Based on distributor's recommended retail price. See your G-E dealer for his prices and terms.*

Progress Is Our Most Important Product

GENERAL ELECTRIC

Bargain Offer!

-this Complete

FLOWER GARDEN

10 PACKETS

Genuine Burpee Seeds!

— a Selection of America's 10 Most Popular Flowers —

REGULAR $2.30 VALUE!

only 25¢

and a Key Strip from a can of

Butter-Nut COFFEE

Enjoy 10 Beautiful Varieties of Flowers in your yard— for the price of one package of seeds alone!

Think of it! 10 full-size packets of genuine Burpee Flower Seeds, carefully chosen to brighten your yard and home all spring and summer long with rainbows of beautiful colors. **Worth $2.30—yours for only 25c and the key strip from a can of Butter-Nut Coffee!** Get yours now — be ready to plant! Order one or several Garden Sets — as you continue to enjoy the rich, full-bodied flavor of BUTTER-NUT, **the Coffee Delicious.** Mail to Butter-Nut, 701 South 10th Street, Omaha, Nebr.

Send Now!

Offer Expires March 17, 1956

FILL OUT AND MAIL with 25c and a BUTTER-NUT Key Strip

BUTTER-NUT, 701 South 10th Street, Omaha, Nebraska

Please send at once _____ Flower-Garden Seed Sets.
I enclose _____ BUTTER-NUT COFFEE Key Strips and $_____.
(25c and Key Strip from a can of Butter-Nut Coffee for each set)

NAME _____

ADDRESS _____

CITY _____ STATE _____

OFFER ENDS MARCH 17

FREEZER full of home produced food is a great help in meal planning. Mrs. Robert Sitka, Howard county, Iowa, selects meat for the evening meal.

Cookery corner

Frosty Date Balls

- ½ cup soft butter
- ½ cup sifted confectioners sugar
- 1 tablespoon water
- 1 teaspoon vanilla
- 1¼ cups sifted flour
- ⅔ cup chopped dates
- ½ cup chopped walnuts

Cream butter and sugar thoroly. Stir in water and vanilla. Add flour and salt. Mix well. Stir in dates and nuts. Roll in one-inch balls. Place about two and one-half inches apart on a baking sheet. Bake in a slow oven (300 degrees) for about 20 minutes. While still warm, roll in confectioners sugar. — Irene Haring, Carroll county, Illinois.

Sausage Potato Cakes

- ¼ pound pork sausage meat
- 1½ cups mashed potatoes
- ½ teaspoon salt
- 1 egg

Crumble, and brown sausage in a skillet. Drain off drippings. Add sausage and two tablespoons drippings to the potatoes. Add salt. Beat egg, and add to potato and meat mixture. Shape into patties one inch thick. Fry in the remaining sausage drippings until well browned on both sides. Serve hot with pickle relish.

Apple Pancakes

- 1 cup sifted flour
- ½ teaspoon salt
- 1 teaspoon baking powder
- 1 tablespoon sugar
- 2 eggs beaten
- ½ cup milk
- 2 tablespoons melted shortening
- 1 cup diced apples

Sift together dry ingredients. Combine eggs with milk. Add flour mixture gradually. Beat until smooth. Stir in shortening. Fold in diced apples. Cook on a hot greased griddle until brown on under side. Turn, and brown on other side. Remove from griddle, and sprinkle with powdered sugar. Garnish with fried apple slices. Good served with sour cream.

Special Bean Salad

- 1 small garlic clove
- 3 tablespoons vinegar
- 2 teaspoons salt
- 1 teaspoon prepared mustard
- ⅔ cup salad oil
- ¼ cup chopped onion
- ½ cup diced sweet pickle
- 3 cups red kidney beans, cooked and drained
- ½ cup celery
- ¼ cup chopped green pepper

Crush garlic clove, and add vinegar. Let stand 10 minutes; then remove garlic. Add salt, mustard and salad oil. Beat until well blended. Mix kidney beans, onion, and sweet pickle together. Pour the mixed dressing over them, and mix lightly. Serve on shredded lettuce. — Myrtle Odland, Wright county, Iowa.

Coconut Custard

- ¼ cup sugar
- dash of salt
- 3 eggs
- 1 teaspoon vanilla
- 2 cups milk, scalded
- ½ cup shredded coconut
- 6 teaspoons brown sugar
- 6 maraschino cherries (optional)

Combine sugar and salt. Add eggs, and beat lightly. Stir in vanilla, hot milk and coconut. Butter six custard cups, and put one teaspoon brown sugar and a maraschino cherry in each. Pour in the custard mixture. Place cups on a rack in a skillet with hot water coming half way up to the top of cups. Cover with a close fitting lid. Steam over low heat (if water boils, custard will curdle) until done. Cool and serve.

Homemaking Helps

WASH ASPHALT TILE with thick warm soapsuds from the top of the pail. Rinse with a mop wrung out of clear water, allow to dry thoroly. Self-polishing wax may be used on this type of flooring.

BEFORE TACKLING DIRTY housework, scrape your fingertips over a bar of soap to fill the space between the nail and skin. Soil won't have a chance to mar your hands for the hardened soap will wash away later as you wash your hands.

NEED A QUICK MAIN DISH for a hurry-up supper? Mix together one cup uncooked rice, one cup diced celery, one can condensed mushroom soup, some grated onion, salt, pepper and three and a half cups water. Place in a hollow baking dish and bake at 350 degrees for 35 minutes. Split frankfurters and arrange over top. Continue baking until rice is tender and frankfurters browned.

KEEP FIRST AID KITS in your house, barn and farm shop, on the tractor and other pieces of equipment. Include sterile gauze, cotton, rolls of adhesive, applicators and a remedy for burns. This equipment is inexpensive and may save many infections.

TO DIVIDE A PIE into five equal-sized portions, cut a Y, the width of one serving in the center of the pie. Make two cuts, on each side of the Y, from the center of the pie to the rim.

TO FRESHEN PLAIN CAKE doughnuts, place them in a covered casserole and heat in a hot oven—400 degrees—for five minutes. For an added touch of spice, roll them immediately in a sugar-cinnamon mixture.

FOR A CLEAN CUT thru meringue, butter the blade of the pie knife before using.

TO REMOVE STAINS from porcelain, apply a paste of cream of tartar and hydrogen proxide. Let stand about 15 minutes; then rinse well.

WORN TABLE COVERS can be turned into new looking linen by dyeing them a new color and cutting them into place mats.

"I thought we could go on the stage as a man and wife team."

SCOTCH TOFFEE

½ cup melted butter or margarine
2 cups Quaker or Mother's Oats (quick or old fashioned, uncooked)
½ cup brown sugar
¼ cup dark corn syrup
½ teaspoon salt
1½ teaspoons vanilla

Topping:
1 six-ounce package semi-sweet chocolate pieces, melted
¼ cup chopped nutmeats

Pour melted butter or margarine over rolled oats and mix thoroughly. Add brown sugar, corn syrup, salt and vanilla, blending well. Pack firmly into well-greased 7 x 11-inch pan. Bake in a very hot oven (450°F.) 12 minutes, or until a rich brown color.

When thoroughly cool, turn out of pan. Spread melted chocolate over top. Sprinkle with nutmeats. Chill; cut in small squares or bars. Store in refrigerator. Makes 3 dozen squares.

3 new food treats

all from your package of Quaker Oats

Have you discovered what high-protein Quaker Oats does for your family at breakfast . . . and how it adds tempting flavor to dozens of foods?

Clip out and try the recipes shown here. You'll find Quaker Oats gives cookies and desserts a sweet, nut-like goodness. It keeps croquettes moist and tempting. And what other breakfast cereal—hot or cold—tastes as downright delicious as Quaker Oats? Or gives you so much nourishment?

America's Most Popular Cereal

QUAKER OATS

Quaker Oats and Mother's Oats are exactly the same

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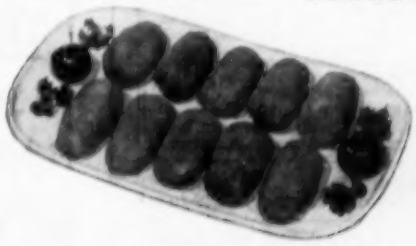
WEIGHT-WATCHERS' OATMEAL

Quaker Oats is low in calories—high in protein. (Oatmeal gives you *far more protein* than any other leading cereal.) And protein at breakfast is the new key to weight control. It cuts down hunger, while supplying needed strength and energy. Eating good hot Quaker Oats at breakfast is the sensible way to control weight.

Only 1 minute is all it takes to cook New Quick Quaker Oats. And it's creamier, smoother oatmeal. If you prefer the flavor and texture of old-style oatmeal, try Old Fashioned Quaker Oats cooked a mere 5 minutes.

SALMON CROQUETTES



2 cups water
1 cup Quaker or Mother's Oats (quick or old fashioned, uncooked)
1 one-pound can salmon, drained, boned and flaked
1 tablespoon lemon juice
1 teaspoon salt
¼ teaspoon pepper
1½ teaspoons Worcestershire sauce

Stir rolled oats into boiling water; cook slowly for 5 minutes, stirring frequently. Combine cooked oatmeal with remaining ingredients. Cool.

Shape into 12 croquettes; roll in bread crumbs, then dip in beaten egg and roll again in crumbs. Fry in hot deep fat (375°F.) till a golden brown. Serve hot.

DAIRY CO-OP DIRECTOR,
E. C. RINGHOFER, TELLS

"How we put rainy days to work for dairy farmers"

IT'S EARLY MORNING on a rainy day. Field work is impossible over a wide area.

Telephones ring in the homes of the 13 directors of the Rochester (Minn.) Dairy Co-op. It's the co-op secretary taking advantage of the wet weather to call a directors' meeting in Rochester.

The directors, all dairy farmers within 70 miles of Rochester, drive to the meeting and are there by 10 A. M. By mid-afternoon they have completed their business and are on the way home.

One of the directors is Edward Ringhofer who farms near Owatonna, Minnesota.

"This is just one example of the many ways the telephone helps us make good use of our time," says Mr. Ringhofer. "And in my day-to-day work I get things done faster and cheaper by phoning about a lot of farm business matters."

His work in the co-op keeps Mr. Ringhofer in touch with dairy farmers all over the nation. And in addition to farming 200 acres and milking 30 grade and pure-bred Holsteins, he is chairman of the township and school district boards at Owatonna.

Mr. Ringhofer has received a national award for "superior achievement in agriculture" and recently was awarded a five year pin by the co-op for continuous production of high quality milk.

The telephone helps farmers and ranchers to make profitable use of their time. Furnishing good, low cost telephone service is an important job of the NORTHWESTERN BELL TELEPHONE COMPANY.

Mr. Ringhofer has a vital interest in hogs, too. He examines a model of a farrowing stall he invented to reduce labor and pig losses.

". . . so good to hear your voice . . . family's fine . . ." Mrs. Ringhofer agrees there's nothing like a heart-to-heart visit by Long Distance as she chats happily with her sister in Burbank, California.

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UTILITY room with automatic washer, dryer and ironer makes wash day easy for Mrs. Frank Hoxie, Fremont county, Iowa.

Country air

WHAT do the women in your county talk about nowadays? The atom bomb? Racial segregation? Seed catalogues? Meat types? Bridge scores? New recipes? Full skirts? What two meetings do we have to go to tonight?

Well, I can tell you what our county is talking about. As they say on "I've Got a Secret," it has to do with something "we're doing." We're dieting! Seriously. We can help the pork lifts, keep the consumption of beef up and help dairy products and still be on our diet. This is a weight reduction game and has the general okay of our county doctors.

Mrs. Leslie Smith came from Iowa State College extension staff to help us start. She explained the basic rules and why. The county home extension specialist set up the groups who will work together for a few weeks to set our faces toward happier weights. There'll be good reason to be light-hearted when that overburdened organ works only to carry around light weights.

Mrs. Smith not only was a neat example of the truths she taught us, but she proved that other women than Faye Emerson could look smart with straight hair worn straight.

I've long suspected that I ate as a matter of escape. Worry, irritation, boredom or a dozen other reasons were sufficient cause for me to eat something, especially when I was putting off something. Like meeting the Country Air deadline. Oh, the left-over pudding (with whipped cream dressing), the pieces of candy I've eaten in the last 25 years to get myself "all set" before I started Country Air!

Mrs. Smith warned us that in spite of our sufficient and tempting new diet, it won't be easy. She said we're up against the craftiest person in the world—ourselves. Good honest women that we pride ourselves in being, would you ever think that we would cheat? Well we'll know whether we can outwit our crafty selves in a county wide way come Easter when we again check the total weight of our 100 women who pledged to do their life expectancy a good turn.

Another topic of talk that is pretty universal among both men and women is Ed Murrow's show "See It Now." I hope your county is still talking about it. As a summing up of the farm situation he did an excellent job. The forced farm sale is not a universal factor in the situation yet thank goodness. But another year such as this might make it so. Maybe we could stand the low prices if things we have to buy could come down accordingly. But there's a pretty large segment of our economy that says nothing doing.

The best thing about the show was the televised actual conversations between farmers. Again I had a rush of that feeling of democracy that I have when I read about a New England town meeting or when I sit in a farmers' meeting.

Why must our useful necessary crops that are a creative satisfaction to a farmer become a problem because of their very effectiveness? Must farmers always be involved in the cold war of marketing their stuff on a buyer's market and buying their needs always on a seller's market?

I just don't feel complicated tonight—just frustrated. Maybe I'm just hungry. Well, I can go chew a piece of celery.—Elizabeth C. Wherry.

LIKE MANY GIRLS, Judith Witte, Cerro Gordo county, Iowa, likes to be outdoors better than doing housework. She says she really likes gardening.

Your garden can save you money

Family can have better diets as well as lower food bills

MAYBE you have a big vegetable garden every year. If you do, you'll probably have one again this summer.

But if you are one of the many farm families who have given up gardens in the last few years, this is a good time to think your plans for the summer over again.

It is true that a garden does take time and a lot of labor. You think that perhaps this time could be devoted to other crops for feed or for sale.

But if you have kept records, you know that the amount of time and labor that goes into the production of fresh vegetables pays very good dividends.

Ben Vance, extension horticulturist at Iowa State College, says that it is doubtful if there is any land on the farm that will produce higher returns for the amount of land involved than the vegetable garden.

But there are other returns to consider. A well planned garden is one of the best ways to insure the family a balanced diet at the same time it is reducing food bills.

It's hard to believe that there are a lot of farm families that have poor diets. Right here in the land of plenty, there are children growing up without getting the food they need for good development. This is especially true of families whose diets are low in the green, leafy and yellow vegetables.

There is no question but that if more vegetables are produced in the garden, more of them will be consumed.

You can get into a rut on gardening as easily as you can anywhere else. So when you plan your garden be sure to include the vegetables that you know your family will eat but don't leave out the ones you know they ought to have.

When vegetables are right spanking fresh from the garden, properly cooked, few healthy growing children can resist them.

If you haven't been in the habit of canning or freezing foods for winter, this is a good time to start. It takes little extra time to produce enough for canning and freezing.

Food freezers and lockers have cut down on the canning job to a large extent. Tho most families prefer both methods for the sake of variety.

Don't be afraid to try new varieties of vegetables or new ones that you haven't planted before. Study your seed catalogues before you order your seeds. Each year, new varieties are offered that you may want to try. Stick to your favorites, but try some of the new ones too.

You can make your garden your hobby, but unlike some hobbies you can make dollars come in instead of going out. And in these days when farm income is on the decline, these dollars are more important.

New flowers for 1956

NEW flowers for your garden this summer may be the new All-American Award winner, Firedance, a hybrid petunia. It is a blazing scarlet that contrasts beautifully with the violet-blue Serenade or the salmon-pink Fairyland hybrid petunias.

Among the Bachelor Buttons, Rosie is a new one available this year. It is rose-colored with a faint salmon overcast.

If you have a shady corner you want to lighten up, why not try the Vinca rosea, Dwarf Pink? There is, for the first time, a hybrid pansy called Color Carnival.

Sewing for summer

No. 8367. Simple, well styled classic that buttons down the front, has sleeves or none. Sizes 12, 14, 16, 18, 20; 40, 42. Size 14, 5 yards of 35-inch.

Nos. 8373 and 8374. Puffed sleeve dresses that are identical. No. 7373 in sizes 11 to 18. Size 12, 4¾ yards of 35-inch. No. 8374 is in sizes 3 to 8 years. Size 4, 2⅛ yards of 35-inch. Two patterns, 30 cents each.

No. 8382. Learning to sew? Then you'll enjoy sewing this simple basic designed in half sizes. Sizes 12½ to 24½. Size 14½, 3⅞ yards of 35-inch.

No. 8369. Versatile and charming for warm weather. Bare-arm dress and bolero set. Sizes 34 to 48. Size 36, dress, 5¼ yards of 35-inch; bolero, 2 yard; ⅝ yard contrast.

No. 8212. A becoming style for every woman. Cap or buttoned sleeve. Sizes 14 to 44. Size 16, cap sleeve, 3½ yards of 35-inch.

Patterns are 30 cents each, coin preferred. You'll want our new book of FASHIONS for spring and summer—cost 30 cents. Address your orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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Heat lamps are being used for brooding chicks. But heat lamps should be installed properly, or they may be a fire hazard. Use porcelain receptacles and shields over lamp. Heat lamps should be held up by chain or wire but not by the electric cord.

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when you start chicks on

DR. SALSBURY'S Ren-O-Sal DRINKING WATER TABLETS

Faster Growth

Just add Ren-O-Sal Tablets to drinking water. Chicks grow strong and healthy, fast. Pullets mature earlier, lay up to 15 days earlier.

More Eggs

Continuous use improves body development. Gives hens added vitality to lay up to 12 extra eggs per hen.

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In proper dosage, Ren-O-Sal also prevents spread of Cecal Coccidiosis. Reduces stress, stunting, feed losses. More birds live to lay and pay.

Start chicks on easy-to-use Ren-O-Sal. Keep hens on low-cost Ren-O-Sal. To profit more throughout the year, get Ren-O-Sal today.

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LARGE TYPE WHITE
LEGHORN PULLETS

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The farm flock

HEAT, FEED AND WATER are especially important to baby chicks during the first few weeks of the brooding season. Chicks need feed as soon as they will eat it—at least before they are 48 hours old. Water should be clean, fresh and handy for chicks. The chicks should be confined to a heated area until they are able to find their way to the heat when needed, says Harry Hayes, poultry specialist at the University of Wisconsin.

▼ ▼ ▼

EGG PRODUCTION on Iowa farms during January totaled 450 million eggs. This is five percent below the record production in January, 1955. Both number of layers on hand and the rate of lay were smaller in January this year than a year ago. Layers on hand were estimated at 25,748,000 hens and pullets in January compared to 26,646,000 a year earlier.

▼ ▼ ▼

RATE OF LAY in Iowa farm flocks in January was 1,748 eggs per 100 hens compared with 1,779 eggs per 100 hens in January, 1955.

▼ ▼ ▼

FARM FLOCKS in the U. S. laid 5,161 million eggs in January. This is one percent below the record of last year. Rate of lay for all hens in January averaged 15.6 per layer compared with 15.5 a year ago and the average of 12.9 eggs per layer for January. Total number of layers on U. S. farms was down two percent from a year earlier.

▼ ▼ ▼

CHICK HATCHERIES produced more chicks during December, 1955, than in any previous December. A total of 118,774,000 were produced during the month compared with only 86,971,000 in December, 1954.

Layers Need Feed In Winter Too

This time of year, pullets should be gaining a little weight. If they aren't, something's wrong, says Milt Sunde, poultry specialist at the University of Wisconsin.

A low grade infection can keep hens thin. But faulty feeding is more likely to be the reason. So a balanced ration is the thing to aim for. And in balancing the feed ration, it's good to keep in mind that hens laying well tend to eat more feed.

Hens usually eat more corn and oats and less mash in cold weather. And since mash is more expensive than corn and oats, some poultrymen feed hens mostly grain.

The idea is to let the hens eat more corn and less oats because corn is higher in energy than oats. But hens should eat as much mash as usual.

Sunde gives 20 percent as an average protein-mash feed. A balanced ration using 20 percent protein mash for 100 hens is 13 pounds of grain and 13 pounds of mash each day.

If 26 percent mash is used, then 100 hens should eat eight pounds of mash and about 18 pounds of grain.

Pauses in egg production along with neck molting may mean hens aren't eating enough. Some growers get their hens to eat more by feeding pellets since a hen can eat more pellets than mash in a short time.

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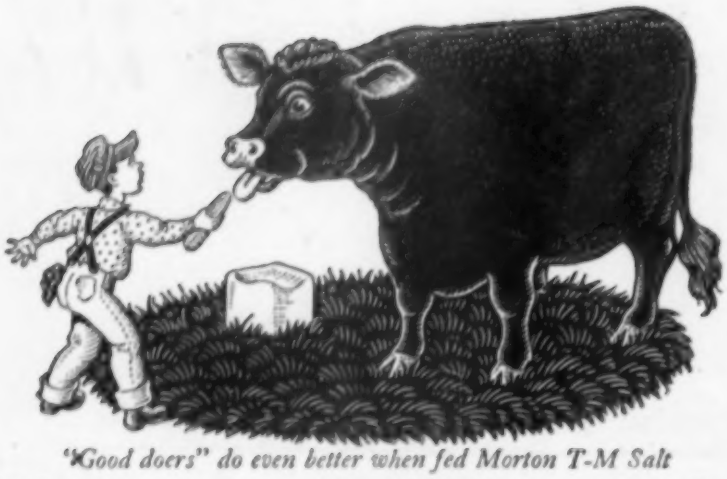

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Joint use of farm machinery is a practice on the Karl Baker farm, Des Moines county, Iowa. Mr. Baker works with others in using corn picker, combine and hay baler.

"My boy and I own the baler together"

Wallace-Homestead Poll finds two-thirds of farmers team up with relatives or neighbors

THE old threshing ring is dead. But farmers still work together to own and operate big units of farm machinery. Almost two-thirds of Iowa's farmers operate that way.

The Wallace-Homestead Poll found that only 38 percent of farm operators did not use machinery jointly with a neighbor or another member of the family. All the rest had some kind of joint arrangement with corn pickers, combines or some other piece of equipment.

Tenants made less use of this arrangement than owners. Why? Maybe because tenants move oftener, can't make long-time arrangements with neighbors.

Biggest farmers—those with 180 acres or more—owned and operated jointly more combines than folks on smaller farms.

A farmer in Decatur county summed up farm practice in this way:

"Our neighbors here all exchange work and machinery in a neighborly manner. I think they do that way in most communities. I'm always glad to help the neighbors with anything I have, and they seem glad to return the favor."

Team-work with machinery

The Wallace-Homestead Poll asked: "Which of the following pieces of machinery do you use jointly with a neighbor or another member of your family?"

Iowa farm operators answered this way:

	Owner	Renter	Total
1. Corn picker	36%	38%	37%
2. Combine	25	27	26
3. Forage chopper	6	6	6
4. Hay baler	34	26	31
5. Other	10	4	8
6. None	34	41	38

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Only CORNLAND Offers You All These Features!

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The free-flowing granules in Cornland Granulated Fertilizers are uniform in size . . . uniform in plant food content. No streaking . . . your entire field receives the same uniform application!

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Only Cornland offers you twenty different grades of fertilizer to correct any soil deficiency. Your Cornland Dealer will help you get a soil analysis to find out which fertilizer is just right for your soil. Other analyses made-to-order for unusual conditions.

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Reel and box for a heavy duty extension cord is used by Guy Coon, Warren county, Iowa. Reel can handle 100 feet of cord. Crank for winding is at right.

Legally speaking

Does death change this farm lease?

MR. JOHNSON owned a section of land which he had farmed for years. Since he was getting along in years, he decided to lease the land for five years to a neighbor of his, Mr. Jacobs.

A written lease was drawn, signed by both parties, the signatures acknowledged and the lease filed for record with the county auditor.

One year later Johnson died leaving two brothers as his heirs-at-law. His wife had died several years before. There were no children.

The brothers, who were appointed the administrators of the estate, thereupon made demand upon Jacobs, the lessee, for the return of the section of land which Johnson had leased to him. They contended that the lease was good only as long as Johnson was alive, and that upon his death, the lease terminated and that the right to possession immediately vested in Johnson's heirs.

Jacobs, the lessee, refused to yield possession. Was he within his rights?

Yes. When Johnson during his lifetime executed a valid lease to Jacobs, he in effect gave Jacobs a property right in the land for full term of the lease. That interest was not affected by the death of Johnson.

Jacobs owned the interest as lessee in the land as fully as he owned the clothes on his back. He could not be deprived of the property right by reason of the death of Johnson.

The heirs-at-law took the land subject to all encumbrances and leases.

This article, prepared in the public interest by The Iowa State Bar Association, is intended to inform and not to advise. Facts may change the application of the law.

HOW MUCH nectar from an acre of clover? United States Department of Agriculture scientists know about that, too. The average acre of white clover yields from one-fourth to one and a half quarts of nectar a day for honey bees. An acre of sweet clover yields two and a half to five quarts.

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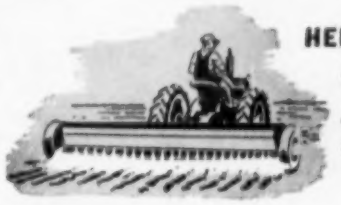

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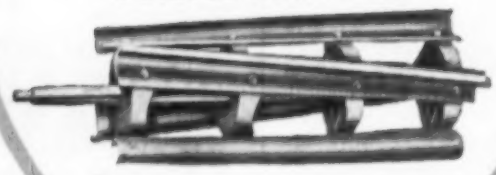

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Here's how to . . .

Save more lambs

IOWA farmers lose a lot of lambs every spring. That can get mighty hard on profits when costs are already eating up most of the margin.

Of the 1,200,000 lambs born on Iowa farms last year, only about 1,000,000 of those make it to market.

What happened to the other 200,000? About half were kept as replacement stock. The other half died—most before they were two weeks old.

Some of these losses can not be avoided, points out Merle Light, Iowa State College sheep specialist. But good management can make a real cut in the death loss.

He places the blame for unnecessary losses on these factors: (1) improper feeding ahead of lambing, and (2) lack of attention or equipment.

Improper feeding cuts milk production. Of course, plenty of milk is necessary for raising lambs.

About a month ahead of lambing, ewes should be getting half to three-fourths pound of grain per day. That's in addition to good legume hay.

Best grain mixture is six parts whole oats, three parts shelled corn and one part protein supplement, Light figures.

The second factor is as important as good feeding. Lambing pens are almost essential if you want to keep death losses low.

Tho it's hard on sleep, frequent day and night checks should be made during the lambing season.

When a ewe shows signs of lambing, she should be placed in a lambing pen. After the lamb is born, see that it gets some milk as soon as possible. Check to see that the mother's teats are unplugged and that milk is flowing. Otherwise, strong lambs seldom need much attention.

Colostrum (first milk) gets the lamb off to a good start. Perhaps you can give colostrum from another sheep—or even a fresh cow—to orphan lambs.

"Alvin, you old sweetheart! I knew you wouldn't forget our anniversary. What did you bring me?"

Sows and gilts held for spring pigs are about two percent below one year ago, according to farmers' reports. These gilts were pictured on the C. W. Jarrard farm, Washington county, Iowa.

New look at hog prospects

Late spring sows might better be sold for meat than kept to farrow

IS IT good business this year to keep sows or gilts that will farrow in late April or May?

Late sows or gilts could likely be sold now without market docks for piggy condition. If kept, they will produce pigs to be ready for market in November or December.

Let's take a look at price prospects for the spring pig crop. There's some new information in the annual livestock census report.

You may remember that the December pig crop report indicated the spring pig crop would go down about two percent for this year compared to last year.

And now the livestock census says sows and gilts on farms January 1 were down 1.8 percent from one year before. That confirms the December 1 report of about two percent reduction in spring pigs.

What effect on prices can be expected from a two percent reduction in pigs to go to market next fall?

Very little, according to hog price records of the past 50 years. After hogs get plentiful and cheap as they are now, it usually takes two substantial reductions in pig crops to start prices upward.

And this time, cattle numbers and beef supplies are at the top of the production cycle. That makes small reductions in hog numbers unlikely to have price effects.

Last year, about 40 million head of cattle and calves were slaughtered. That was a record high. And it will probably be repeated this year as cattle numbers went up last year despite the big slaughter totals.

So when total meat supplies for this year are considered, hog prices even with last year's prices are about all you can expect.

But some think that the unusually big meat supplies will come in the first part of this year. And that both cattle and hog slaughter will be down in the last half.

Type of cattle on feed support that view. There are fewer calves and light cattle on feed than one year ago. And of course, the pig crop shows signs of going down slightly. The trend toward more early spring pigs and fewer late spring pigs will also continue.

On the other side are these possibilities: Grass beef liquidation could be heavy this fall. That would be cheap meat to compete directly with pork. And of course, the indicated reduction in spring pigs is very small.

It doesn't appear safe for hog raisers to count on conditions that will make late spring pigs profitable. Reductions in farrowings would have to be much larger than indicated if prices are to be higher.

Then the question comes up: Can you afford to keep late-bred sows and gilts to raise market hogs that may bring only $10 to $12 on the farm?

With corn 20 cents lower than last year, as indicated by announced price supports, you'd have a corn-hog price ratio of around nine or 10 to one.

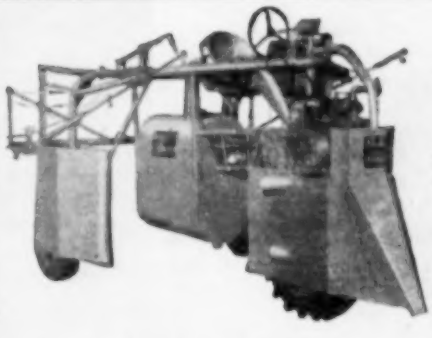
Farmers have never found hog raising profitable at such comparative prices.

But what would you do if you sold the late sows?

Here are a few suggestions. One of them might fit your situation.

1. Comply with corn acreage allotments and seal corn. After you do this you still have choices. You could cash the corn. Or you could hold it and raise hogs a year later when hogs are likely to be more profitable. The corn loan enables you to hold the corn and still have money for operations.

2. Go permanently to lower corn and hog production, and put extra acres in the soil bank if congress makes it available in time.



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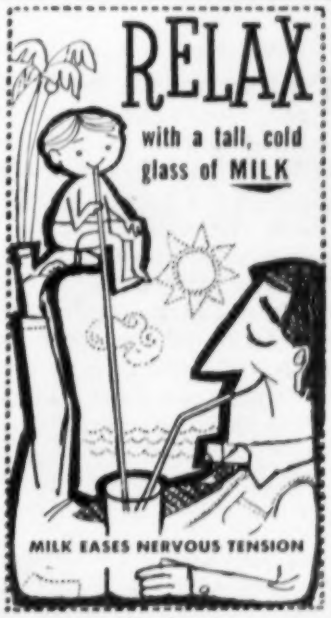

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He favors government price supports for hogs. Jim Burke of Chickasaw county, Iowa, would go along with $17 supports. He'll have eight sows farrow this spring.

Want supports for hogs?

YES, say a big majority of Iowa farmers in latest Wallace-Homestead Poll

THE government should support hog prices for the next year. That's what a sizable majority of Iowa farmers told the Wallace-Homestead Poll in late January.

Both Republicans and Democrats favored price supports for hogs.

Number of hogs raised didn't make any real difference in how farmers viewed the price support issue. Even farmers who didn't raise hogs thought hogs should get some kind of supports.

First question the Poll put to Iowa farmers was this:

"Should the government plan to support hog prices for the next year?"

	No spring pigs	1-9 sows	10 sows and up	Total
Yes	55	76	72	69
No	40	20	23	26
Undecided	5	4	5	5

Republicans backed supports for hogs with a 58 percent "yes" vote, 35 percent "no," and seven percent undecided.

Democrats voted 80 percent for government hog supports with 17 percent opposed and three percent undecided.

Those who favored hog supports were then asked, "If you think the government should support hog prices, what should the level of supports be?" Answers appear at right.

It didn't make much difference on that question whether a farmer raised no hogs, a few, or many.

A breakdown by size of hog raising operations showed that all groups—no hogs, one to nine sows, and 10 sows and up—gave the largest vote to $19 supports.

In all three groups, second place went to $21 supports and third to $17 supports for hogs.

What do previous Wallace-Homestead Polls show on the question of price supports for hogs? Consistent majorities were in favor of hog price supports.

The last previous poll in December, 1955, asked about supporting hogs at a $17 per hundred average at Chicago. About 60 percent of the farmers approved. About 25 percent were opposed and four percent wanted other methods—production quotas or higher supports. Some 11 percent were undecided at that time.

For a complete report on previous Wallace-Homestead Polls on hog price supports, see page 84 of the February 18, 1956, issue of Wallaces' Farmer and Iowa Homestead.

How high for hog supports?

Wallaces' Farmer and Iowa Homestead also asked this question:

"If you think the government should support hog prices, what should the level of supports be? Check one only."

	Republicans	Democrats	Total
$21 average at Chicago (About 100% of parity)	25%	29%	27%
$19 at Chicago (About 90% of parity)	39	49	44
$17 at Chicago (About 80% of parity)	22	14	18
$15 at Chicago (About 70% of parity)	7	3	5
$13 at Chicago (About 62% of parity)	0	0	0
Other	7	5	6

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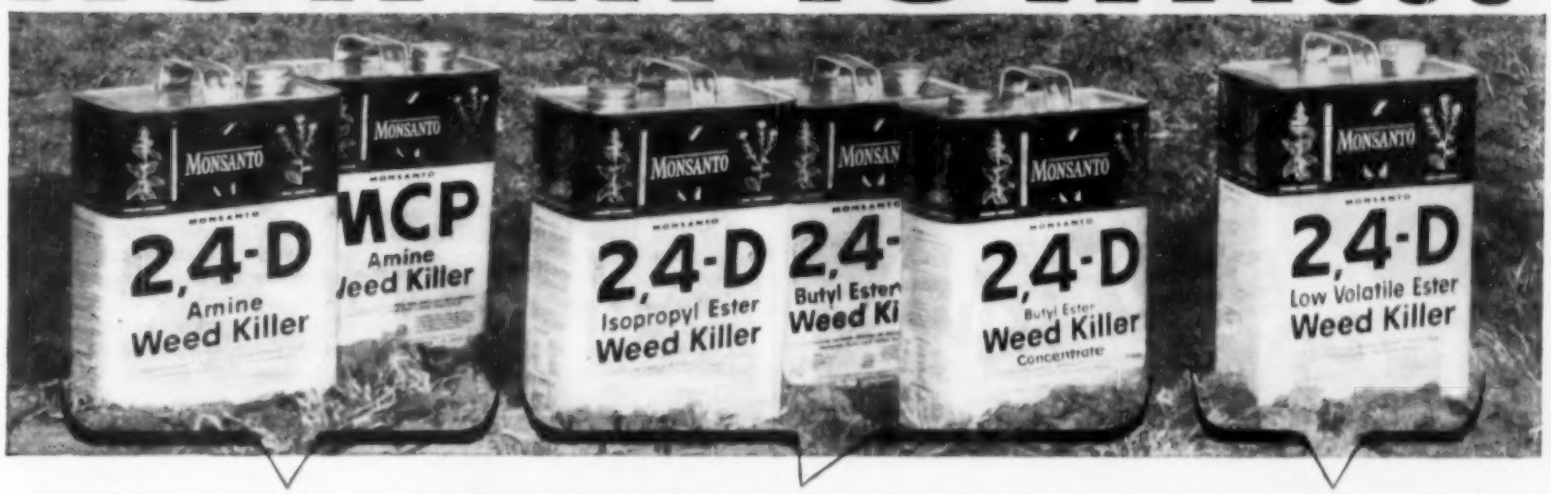

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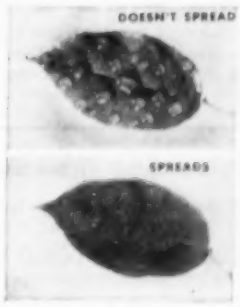

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Boost meat with a check-off?

Swine Producers' Association favors five-cent per head check-off on hogs

A MAJORITY of farmers in two Iowa counties favor a livestock price check-off for promotion of meat.

That was indicated recently when farmers of Wright and Cass counties were polled by their livestock producers associations. In both counties, about four out of every five farmers questioned gave approval to some sort of check-off scheme.

In Wright county, 1,543 farmers were contacted. Of that number, 80 percent gave approval of a livestock price check-off—"to become law if the majority of the livestock producers representing the majority of the livestock are in favor."

What kind of check-off would the Wright county farmers prefer? They were given three alternatives. Here's how the ones who approved the check-off idea lined up:

5c per cwt. on beef, hogs and sheep	**21%**
25c per head, beef; 10c per head, hogs; 5c per head, sheep	**27%**
10c per head, beef; 5c per head, hogs; 2½c per head, sheep	**52%**

In Cass county, a total of 1,069 farmers were contacted. Of that number, 78 percent approved the check-off idea. Here's how they split as to the rate of check-off.

5c per cwt. on beef, hogs and sheep	**12%**
25c per head, beef; 10c per head, hogs; 5c per head, sheep	**14%**
10c per head, beef; 5c per head, hogs; 2½c per head, sheep	**74%**

You'll note that in both counties, the lower check-off rate was preferred by a majority of the farmers who approved of any check-off at all.

The questionnaire suggested that funds from the check-off would be used for promotion, education and advertising aimed at boosting meat consumption—and eventually livestock prices.

Purpose of the survey was to get an indication of the attitudes of Iowa farmers toward a livestock check-off—similar to the dairy check-off already in use.

The Iowa Swine Producers Association, at its annual meeting in Ames last week, went on record as favoring the check-off on hogs at the rate of five cents per head.

The Swine Producers' Association said it favored the "establishment of an aggressive promotional, educational and research program on both a state and national level."

It suggested that the program should be aimed at increasing consumption of pork and pork products. And to further improve the performance of swine and the quality of the product.

The Swine Producers' Association also made these recommendations:

1. That the program be financed by a check-off of five cents per head on all hogs sold for slaughter.

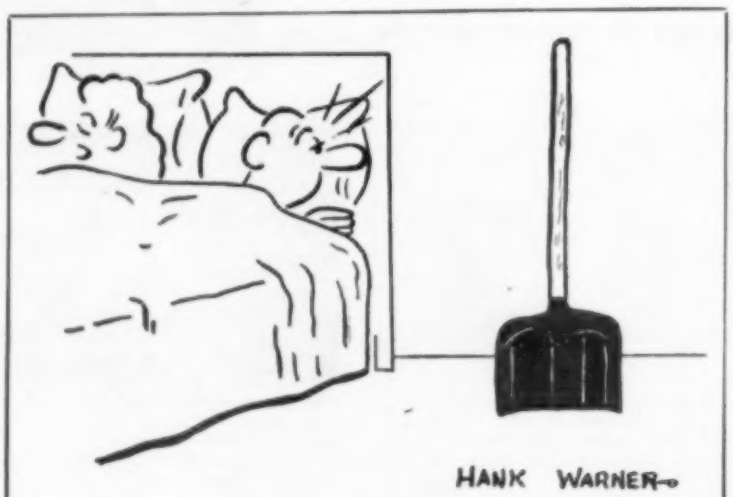
2. That the check-off be mandatory. And that it be collected by the first purchasers of hogs for slaughter.

3. That the deduction be submitted to a designated collecting agency.

4. And that on petition of the seller, the check-off be refunded to him.

It was also suggested that the funds collected thru the check-off be divided between the National Live Stock and Meat Board and the National Swine Growers' Council. And that those two organizations work closely with land grant colleges, the USDA and general farm organizations in the use of check-off funds.

Attempts to determine the interest of other livestock producing states in a check-off plan are now in progress.



"That's a reminder so you won't forget the sidewalks in the morning!"

How should check-off be used?

Wright county farmer outlines plan

How should funds from the proposed livestock check-off be used? In this article, Lynn C. Thompson of Wright county, Iowa, outlines a suggested approach. Thompson is a general livestock producer.

HERE are some of the points that should be considered if and when a livestock check-off is approved:

1. A committee, composed entirely of producers, should be named to handle the check-off funds. Paid secretaries of producer and breed association groups may be helpful in advisory capacities, and to help carry out policies of the committee. But they should not be members of the committee.

2. Money should be spent for promotion, research and education—directed almost exclusively at the consumer.

A. Promotion means advertising and merchandising—with special emphasis on certain products at certain times, or in pushing products in large supply.

B. Research means finding the facts about the superiority of meat and study of meat display and packaging methods. And it means learning more about the buying habits of the consumers—their likes and dislikes.

C. Education can be beamed both ways. It should inform the consumer of the facts about different kinds of meat cuts, and the value of meat and meat products in the diet. It also can help the producer understand the consumer's wants, and what the livestock committee is doing.

3. In addition to spending the check-off money, it should be the duty of the livestock committee to strive to stabilize the livestock industry. This is more difficult.

To do this, I suggest that a study committee be set up. This committee should include marketing specialists, producers, farm organization leaders, cooperative leaders and possibly a hired economist. This study committee should draw up a plan for price stabilization for the livestock industry to keep livestock products in line with consumer demand.

4. The committee of producers should not: (1) Try to develop types of livestock; (2) spend money on disease control, or (3) work one farm product against another.

5. The only excuse for the livestock check-off is to obtain money to be used for projects that are not now being worked on—and to help raise the general prosperity of agriculture.—Lynn C. Thompson.

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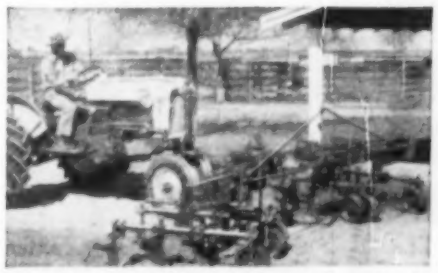

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So see and try a new Ford Tricycle Tractor with power steering, at your nearby Ford Tractor and Implement Dealer's. They're the newest designed tricycle tractors in the industry, offering more step-ahead features for New Day Farming. Tractor and Implement Division, Ford Motor Company, Birmingham, Michigan.

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There is no finer quality fertilizer made than the fertilizer you buy under the CO-OP brand!

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Only when you buy CO-OP Fertilizer can you get the savings that put money in your pocket!

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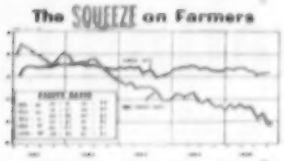
When you buy CO-OP Ammonium Nitrate your savings through patronage refunds give you the chance to reduce the spread between your costs and the market prices you receive.

The SQUEEZE on Farmers



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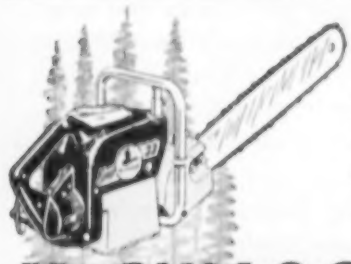
"EASE THE SQUEEZE"
with the extra savings you get with tested, top quality CO-OP products!



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Farm folks tell their

Ideas on farm programs

Sees Faults In Farm Bureau

To the Editor: The Farm Bureau, of which I have been a member for the past 15 years, cannot represent the true feelings of all its members for several reasons.

1. They do not have an "up to date" opinion on current developments—as they work on resolutions only once a year.

2. They, as well as other major farm organizations, maintain their membership by "apron strings" to profit-sharing co-ops.

All of our major farm organizations have one weakness in common. That is the tendency of electing successful, well-to-do people to preside and form the policies. These people have one thing in common. That is the tendency to look backward with satisfaction and continue to recommend the methods of economic competition that have worked well, with the help of a few costly wars which we didn't need.—Ben Petersen, Mahaska county, Iowa.

Recalls Brannan Plan

To the Editor: So far, the best way ever proposed for getting $20 hogs was the old Brannan Plan with production payments and with quotas if necessary. It is better to raise 100 hogs at a fair price than 150 head and lose our shirts.—James M. Youngdale, Swift county, Minnesota.

Farmer Reduced To Peasantry?

To the Editor: If labor and business combines continue to flourish, will the family-size farmer be reduced to a state of peasantry? Is part-time outside work a good answer? . . . . I'm doubtful about the practicability of supporting livestock prices. I'd rather concentrate on holding our feed prices (corn) up to parity, and that should in the long run take care of livestock.

But if the government does attempt to support livestock prices, production payments to make up the difference in what the free market pays is certainly the only practical way.

Another thing—there should be a top limit on the amount paid to a single producer on corn, wheat loans or anything.—Wendell S. Clampitt, Hardin county, Iowa.

Cut Everything 10 Percent

To the Editor: The Lord helps them that help themselves. I just don't see why farmers don't throw a lot of this help stuff down the drain, and really get at the farm problem the way any group in other businesses would do.

1. Cut all crops 10 percent.
2. Cut all hogs 10 percent.
3. Cut all feeding cattle 10 percent.
4. Cut all poultry 10 percent.

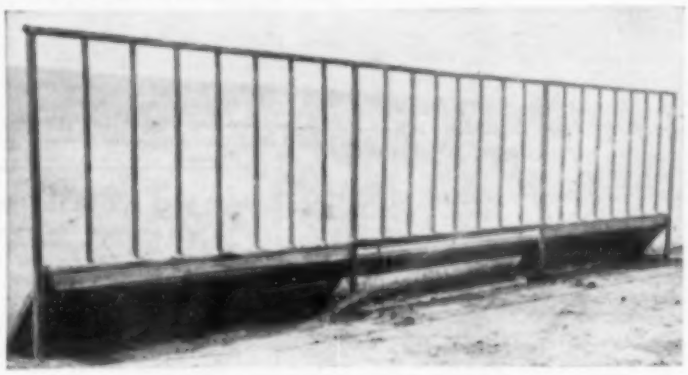
And if 10 percent isn't enough, cut another five percent the next year.—Arthur Simmons, DeKalb county, Illinois.

Subsidize Only Open Gilts

To the Editor: I suggest the government pay farmers a subsidy only on open gilts sold direct to slaughter—two and one-half times the difference between parity and the market price of hogs—rather than pay subsidy on all hogs sold. This plan would give farmers about the same amount of help. And cost the government about the same amount of money.

With these figures in mind, farmers would be very careful about getting any surplus gilts bred—as there would be no subsidy on piggy gilts or sows.—Reader, Monona county, Iowa.

Stanchion for silo . . .



Stanchion or manger 24 feet wide fits across the surface silo on the Karl Harkens farm, Jefferson county, Iowa. This allows more steers at a time to eat at the silo. Stanchion is moved forward on angle iron skids as cattle eat into the silo.

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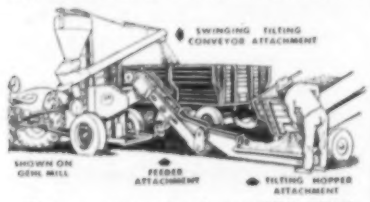

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If you are miserable and worn out because of these discomforts, Doan's Pills often help by their pain relieving action, by their soothing effect to ease bladder irritation, and by their mild diuretic action through the kidneys—tending to increase the output of the 15 miles of kidney tubes.

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Iowa M.D.'s Say . . .

Embarrassed by pimples? Here's help for you

"I EVEN hate to look at myself in the mirror. How do you think I feel when other people have to look at me? Who wants to go with someone whose face is all covered with pimples?"

Familiar sound? Most teenagers who are troubled with acne have similar feelings. Maybe you have this problem yourself. Or maybe you have a son or daughter with this problem.

Acne is one of nature's seeming injustices to many young people. It is a disorder of the oil glands of the skin. This condition usually makes its appearance during adolescence, which is already a trying period of physical and emotional adjustment.

At this age, it seems so important for a young boy or girl to make a good impression.

"Blackheads" and "pimples" appear chiefly on the face—the most conspicuous area possible. Often, they also appear on the skin of the upper portions of the back, chest and shoulders.

It should be understood that acne is not caused by anything that is or is not being done.

For instance, while cleanliness is very important in the treatment of acne, the presence of acne should never be considered the result of uncleanliness.

Eating certain foods, such as chocolate, often makes acne worse, but it cannot be considered the cause. Also, acne is not contagious.

A proper diet, plenty of rest, and careful attention to cleanliness of both the skin and scalp are important in the control of acne. The physician should be consulted for most cases.

Scarring occurs in only a small percentage of cases and may often be prevented by proper treatment. A recent development, dermabrasion, now offers help to those few who develop severe scarring.

Kindness, encouragement and sympathetic understanding from family and friends will help the young boy or girl who has acne to find the acceptance needed so strongly during this period.

If you have trouble with acne, try hard to bring it under control. Just as important, however, you should accept it as a challenge to develop an outstanding personality. This is probably the best way to shift the attention of others away from your complexion.

Make this a special project, and work hard on it. You will be left with something of great value after your skin problems have vanished.

Articles in this series are presented by the Health Education Committee of the Iowa State Medical Society.

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AS A NORTH WOODS BREEZE

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CUT JUST RIGHT
TO PACK WITH EASE

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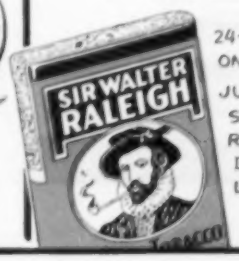

24-PAGE BOOKLET ON PIPE CARE. JUST WRITE TO: SIR WALTER RALEIGH, Dept. RR6 LOUISVILLE, KY.

Memo to Dairy Farmers

The American Dairy Association What It Is . . . Where It Is Going

In 1940 representatives of six midwestern and northwestern states organized the American Dairy Association to develop and finance a program of advertising, merchandising, public relations, and research which would strengthen consumer knowledge of and demand for dairy products.

Today the American Dairy Association, in active operation in 45 states, is supported through the voluntary investment of dairy farmers. At the start of 1956, more than half the states in the program are on a voluntary year-round set-aside.

The American Dairy Association is governed by dairy farmers elected by and from its membership. Each member state has a state organization which chooses its own officers and elects delegates to the national governing body. Officers of the national organization serve without pay. Day to day business is carried on from executive headquarters in Chicago by a headquarters staff.

The American Dairy Association budget for 1956 will be invested in television, radio, newspaper, and magazine advertising, plus research, merchandising and public relations.

Does the program work? **When final figures are in, they will show that per capita consumption of fluid milk for 1955 as sold through normal retail channels increased 3 to 4 quarts per person. In 1955, per capita consumption of butter and ice cream also increased. Government purchase of surplus dairy products in 1955 dropped almost 50% below the 1954 level in spite of a more than one billion pound increase in milk production. Market studies made by independent research organizations indicate that more families are buying butter.**

The American Dairy Association has grown because it has proved it can make homemakers better customers for milk and dairy products.

* * * * * * *

Single copies of the ***Annual Report*** can be obtained from the American Dairy Association on request.

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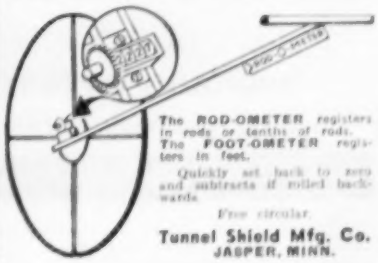

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GET MORE FROM YOUR LAND WITH ELEPHANT BRAND

Top yields start with planting good seed of an adapted variety. Photo shows soybean planting on Raymond Lang farm in Lee county, Iowa.

Which soybeans to plant

This article lists varieties recommended by Iowa State College for 1956 planting

WITHOUT good seed, soybeans are whipped before they even get a start. So it pays to get the best seed you can find.

Be sure to choose a variety adapted to your area. Top yields usually come from tested varieties that use the whole growing season.

A good way to choose a variety is by checking the list of those recommended by Iowa State College.

Recommendations are made from the results of extensive variety tests thru the entire state. Since the tests are repeated year after year, they give a pretty good picture of the performance you can expect.

Here are the varieties recommended for 1956 planting:

Northern Iowa

Chippewa is a new high yielding variety for northern Iowa. Seed is generally available for the first time this year.

Chippewa matures about a week earlier than Blackhawk. The experts expect it to replace Mandarin (Ottawa), Capital and other early varieties used in this area.

It seems especially adapted to the peat and muck soils of northern Iowa. And for the northeast part of the state where cold, wet soils often delay maturity.

Chippewa averages about 32 inches tall—two or three inches shorter than Blackhawk. It stands well, and has a high oil content. In general characteristics, it resembles Lincoln, one of its parents.

Blackhawk is an early, medium tall variety. It gives high yields and has a high oil content. It stands well.

In general, Blackhawk fits best into the northern two rows of Iowa counties. But because of its early maturity, it can be used farther south for delayed planting.

Hawkeye also gives high yields. Tho tall—about 40 inches—it stands well.

In this area, it should be planted early—by May 20. It matures about a week after Blackhawk.

In this extreme northern part of Iowa, Hawkeye seems best fitted to the western section.

North-central Iowa

Hawkeye is probably the most widely grown variety in this area. See the description above.

In addition, Hawkeye is suited for delayed planting farther south.

South-central Iowa

Lincoln can be grown in all but the northern three rows of Iowa counties.

Yields are generally high. Oil content is high.

Lincoln grows tall—usually about 42 inches. It sometimes lodges on fertile soils.

Adams matures a few days earlier than Lincoln. Tho it grows to about the same height, it stands better.

This variety gives high yields. It is popular all thru the southern half of the state.

Southern Iowa

Adams and Lincoln are recommended for all of southern Iowa. See the description above.

Clark fits best in the southern three rows of Iowa counties. It resembles Lincoln in many characteristics. But yield averages three to four bushels higher than either Lincoln or Adams.

Clark stands well and has a good oil content. It matures about a week later than Lincoln.

These recommendations are based on normal planting dates—usually May 15 to 25. If planting must be delayed into June, you may want to choose an earlier variety.

A NEW systemic insecticide named Thimet has been announced by American Cyanamid Company. It is the first systemic which can be effectively applied to seeds, says the company. The chemical stays in the plant and continues to kill insects up to nine weeks after the plant is up, the report says.

NEW PREVENTATIVE FOR BABY PIG ANEMIA!

One of the most revolutionary developments of modern veterinary science is a new liquid prophylaxis which solves the problem of death losses of baby pigs due to Nutritional Anemia. The new preventative called Hema-Jet, is produced by Osborn Laboratories, Inc., Le Sueur, Minn. Hema-Jet contains powerful blood building ingredients—iron, amazing new Vitamin B-12, and other vitamins and trace minerals that keep suckling pigs strong and healthy. Hema-Jet is bottled in a new, easy-to-use container with a "jet" dispenser. An accurate dosage for each baby pig can be administered with one squirt from the dispenser at a cost of less than 2c per dose per pig.

Osborne Pharmaceuticals are scientifically formulated and unsurpassed in advanced research. Hema-Jet is available only through **Your Local Veterinarian.** (Advertisement)

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How To Avoid Crippling Deformities

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SAVE YOUR LIFE!

Overwork and fatigue can lead to farm accidents, too. But well-organized choring can save work and prevent accidents too. This report is from Norval J. Wardle, Iowa State College safety specialist.

"JOE, head off that cow. Oh, you're too slow."

"Gee, dad, she runs too fast for me."

"Well, get around her and bring her back. We've got to get these cows in and milked." Joe went after the cow. She had run off into the pasture again where the dry cattle and young stock were.

As Joe brought her slowly back, John Martin stood to one side to help his son head her into the barn. As she got near, she tried to cut back again, and John ran across quickly to head her off.

As John turned to head the cow off, he slipped on the rough icy yard. He felt a quick, piercing pain in his left ankle.

John was able to rise and headed off the cow so they got her into the barn. She was finally milked along with the other cows. John was able to hobble around on his paining ankle. It was like this every night.

It took John and 14-year-old Joe two to three hours every night to do the chores.

That evening, as they carried the milk to the house, John Martin had to limp along on a still painful ankle. Joe began to tell his dad about some of the day's school activities.

"For ag class today, we went to that Better Milking Clinic that was in town. I wish you would have gone."

"I haven't time for that. Too much work," John replied.

"We do have lots of work, dad. But they showed today how to do it easier and quicker."

Joe kept on talking. He told how they had been shown that the yards could be organized to handle the stock easily, how to organize the barn to save steps, how to use a loafing shed to save expense on the barn, and many other things. Joe finally clinched his argument by saying:

"If we had things organized here, we could do the chores in a lot less time and you wouldn't have sprained your ankle."

Some farmers, by studying their work steps, have cut their chore time to less than half. Many accidents on the farm are due to hurry and fatigue caused by overwork and long hours.

To make the farm a safe place to live, it must be organized for efficient, pleasant work.

AVERAGE NUMBER of people employed on farms during 1955 was just under eight and a quarter million. That's a 1.8 percent decrease in hired workers and a 2.8 percent decrease in family workers.

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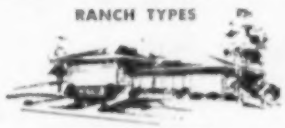

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Model 150 offers 9 positions from driver's seat. Other settings manually. Model 100 is the lowest priced blade—investigate!

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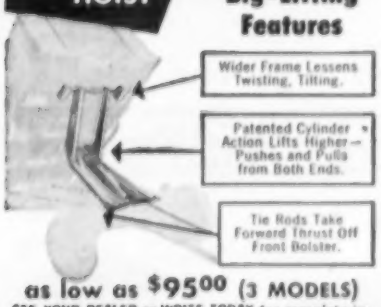

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This new 120-page book explains many interesting facts about Piles, Fistula, Colon disorders and Stomach Conditions as well as associated ailments. Contains pictures, charts, diagrams. Sent FREE. Write today. McCleary Clinic & Hospital, 381 Elms Blvd., Excelsior Springs 5, Mo.

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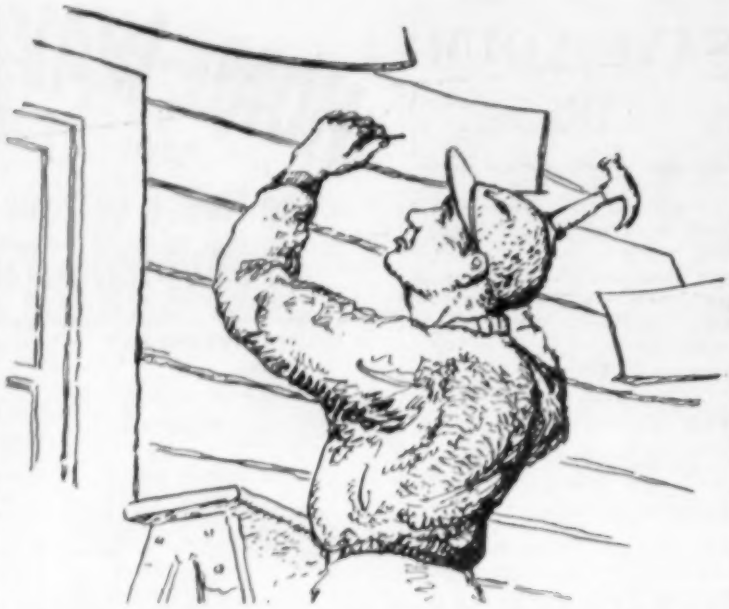

Bargain siding job usually turns out to be not such a bargain. Such jobs look good for a few months, but the siding may shrink or fall off later.

Gyps in home improvement

Be sure you are dealing with reliable contractor before signing a contract for home improvement

MANY Iowa farmers have been gypped on home improvement. But most building contractors are honest and will do a good job.

Home improvement is being pushed this year by the building trade. And the few unscrupulous operators will be out to get your money.

The Better Business Bureau of Des Moines warns against the following schemes which may be used to get your money:

1. The "model home" or "display house" technique.

2. Itinerant roofers and siding firms. They've been a community problem for years.

3. Bait advertising, especially in the storm window and door business.

4. Mastic house coatings. Check with others who have used it.

The Better Business Bureau also makes the following suggestions if you plan to remodel or improve your home:

1. Deal with a contractor of known reliability—one whose reputation you know personally if possible.

2. If you are not personally familiar with the contractor's work, you should:

a. Get the names of a number of his customers who had work done by him. Check with these people to see if his work is holding up satisfactorily. A reliable contractor is proud of his customer's satisfaction.

b. Check with your local chamber of commerce, better business bureau or local lumber dealers about the contractor's work.

3. Get estimates from several reliable local contractors. Make sure all estimates are based on the same specifications.

4. Find out the exact financing terms. Check with the financing company to see if they have had any complaints on work of contractor, or if completed jobs have been checked.

5. Do not do business with any firm which engages in "bait and switch" techniques of advertising and selling.

6. Beware of "model home" or "display house" offers. Before doing business with any firm that promises you "commissions" for use of your home as a "display house," demand the names and addresses of at least a dozen nearby home owners who profited by such an arrangement. Then check with these people.

7. Before agreeing to a mastic paint job on the exterior of your house, demand the names and addresses of nearby home owners who had similar jobs performed by the same contractor with the same product three or more years ago. Take the time to inspect these jobs personally.

8. Do not authorize any contractor or repairman to do any work on your house, or have access to your furnace until you have completed your investigations, and are prepared to proceed on terms on which you have agreed.

9. Read and understand all contracts before you sign. Unless you thoroly understand all of the details in the contract, get an attorney to review it and other papers which must be signed in connection with any major home improvement operation.

10. Be sure that all guarantees are in writing, and that you thoroly understand their coverage and limitations before agreeing that work be started.

Remember it's your house and your money. Don't let anyone rush you into signing a contract. Any reliable contractor will give you plenty of time to decide if he's the one you want to do the job.

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A real labor saver for grassland farmers. Cuts, rakes, chops and loads in one operation. Handles standing stalks, straw, hay etc. for feed or bedding. Shredder unit may be purchased separately. Easily convertible to Field Chopper at any time by adding auger and blower unit.

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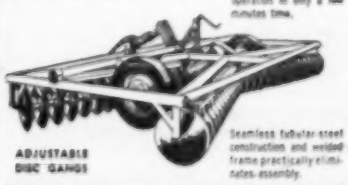

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Udderly Perfect! It's Lanticeptic!

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The MAIN Ointment for MINOR Skin Injuries & Irritations since 1906

FARMERS DRYING TUBES for corn, grain, beans, chopped hay seed. Farmer-Dealers wanted. HOBSON CHOICE TUBES, VINTON, IOWA

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UP TO 6 TIMES MORE ANTI-RUST ZINC COATING and at the same LOW COST!

Unbelievable? May Be! Yet, Behlen All-Steel Bar Mesh Corn Cribs are Post-Fab Galvanized—every inch covered with a heavy zinc coating AFTER all assembly and welding.

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STRONG AND STURDY—Behlen Cribs are made of #2 gauge steel bars—over ¼" in diameter. Here's rigid resistance to the pressures of stored corn.

See the Behlen dealer near you—or WRITE TODAY for more information. There's a Behlen Corn Crib to fit your storage needs—596 bu. to 1,930 bu.

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Dept. 43 Columbus, Nebr.

NEW Save Work and Time
P.T.O. Filling SEEDER Attachment

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Does away with scooping oats . . . provides larger hopper capacity for legume and grass seed.

FREE Write today for pictures and full information on **SAV-A-MAN seeder attachment** and low introductory price. Works with standard end gate seeder and grain-ovator, PTO unloading wagon. Do your seeding from the tractor seat. Put on or taken off in a few minutes. Give dealer's Name when writing, please.

GLASNAPP MFG. CO. YETTER, IOWA

SLOW DOWN AND LIVE!

Farm News Briefs

DAIRY SUPPORTS will be continued another year at current levels, Secretary of Agriculture Ezra Taft Benson has announced. Support prices are being continued at $3.15 a hundred on manufacturing milk and 56.2 cents a pound on butterfat. This is estimated to be equivalent to 82 percent of parity for manufacturing milk and 78 percent of parity on butterfat as of early 1956. These price support figures will be in effect until April 1, 1957.

▾ ▾ ▾

ANNUAL Dairy Industry Day at Iowa State College has been scheduled for March 21. C. A. Iverson, head of the Iowa State College Dairy Industry Department has announced. The fields of butter, ice cream and cheese manufacturing, and milk processing will be covered. Special sections will be set up for creamery directors, milk sanitarians and milk quality field men.

▾ ▾ ▾

THE GRISWOLD Cooperative Telephone Company in Cass county, Iowa, has been approved for a loan of $153,000, the REA reports. Money will be used to acquire and rebuild the telephone system at Lewis, Iowa, which serves 148 farm families. Service will be extended for the first time to 41 rural families, the REA report says.

▾ ▾ ▾

SPRING SHOW for fall farrowed market pigs is scheduled for March 17 at Fremont, Nebr. Weight classes are 190 to 215 pounds and 215 to 240 pounds. Each exhibitor is limited to showing one pen of three market hogs. Entries close March 10.

▾ ▾ ▾

COMING EVENTS: Iowa State Spring Market Hog Show, Cedar Rapids, March 2-3; National 4-H Club Week, March 3-11; Pasture-Forage-Livestock Conference, Omaha, March 15; National Catholic Rural Life Week, March 16-22; Midwest Barrow Show, Fremont, Nebr., March 17; Dairy Industry Day, Iowa State College, March 21; Spring Livestock Day, University of Missouri, Columbia, Mo., March 29; Iowa FFA Convention, Waterloo, April 19-21.

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Start 'Em on
HUBBARD'S SUNSHINE
BABY PIG PELLETS

They're SWEETENED and FLAVORED To Give EXCITING NEW APPETITE APPEAL!

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ESPECIALLY PREPARED TO
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Pioneers and Leaders in Concentrates Since 1928

Special Notice to **CORN GROWERS**
Here's a message aimed at giving you more corn profits. Read it . . . clip it . . . discuss the matter early with your county agent, dealer, custom applicator, farm group, and neighbors.

the news you've waited for

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. . . Granular DDT made with "GRANULAR ATTACLAY"

With the *new, approved* Granular DDT method—made even better by the original pioneer carrier, *Granular Attaclay*—you can be sure the corn borer won't menace your corn profits.

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SAFETY—Graze stock or make silage after harvest with a new safety never possible with previous control methods.

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Dealers With Growers To Satisfy . . .
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Why you should demand Granular Pesticides made with Granular Attaclay

Granular Attaclay is the material (carrier) on which the pesticide manufacturer puts the poison. By weight, our carrier is about 95% of the finished product you buy, so *quality* and *dependability are important.*

Advantages of Granular Attaclay

- Excellent poison release properties
- Uniform particle size distribution
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CURRIER & OILER

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The SANDHILLS Oiler curries while it oils. Cattle go over or under treating all parts of body. Easy to install! Attach to post, anywhere. Fill with oil and forget it. NEW TYPE PUMP saves insecticides and guarantees even oil distribution with simple set screw adjustment. The 5-gal. oil supply lasts for weeks.

I AM ALSO INTERESTED IN:
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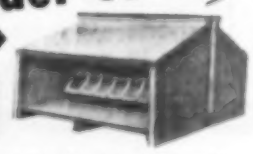
636 N. MAIN STREET PENDER, NEBRASKA

SAVE on Feeder Costs!



New Dultmeier Pig Creep is in line with today's hog prices. 8 openings each side. 56" long. Capacity, 150 pounds of feed. First class construction of galvanized steel and wood to prevent corrosion. Available with Sow Bar. Easy to move. May also be used indoors as a poultry feeder without canopy and outdoors with canopy. Start now to get extra gains and healthier pigs with creep feeding. Price, **$31.40**

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NEW GAME. Play on any smooth surface. Player tries to gain and surpass other players time set. Game has exciting predetermined time conclusion. Very interesting, amusing game. Everybody will like to play. Pieces hand made. Patent Pending. If not satisfied return within 5 days and get your money back. Order by mail now. $2.85 postpaid. **A. J. Carlson, Route 3, Beresford, South Dakota.**

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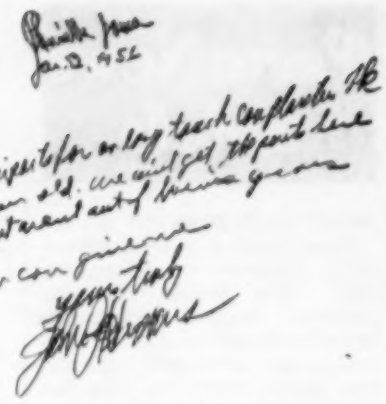

Can you read the letter reproduced above? The Service Bureau editor was able to make out the question and find the answer. But the name and address stumped him.

Waiting for an answer?

"WHY don't those —— fools down there answer my letter?"

Did you ever explode like that after waiting long and patiently for an answer to your letter or for a mail order purchase?

Maybe it was because no one could read your signature or address.

Your signature may be plain to you, but it may be hard for other people to read.

The town you live in can usually be read. But there may be 30 other towns in the U. S. with the same name. And if you abbreviate the state or town, the answer to your letter may be sent to some other state.

You may order some item by writing on the edge of an advertisement. But the writing may be small, and the order may be lost in stacks of regular sized letters or order blanks. You may not get the item you ordered or even a letter. And the company may not even know how to return your money.

The paper on which you write your letter is important. If you write on a school tablet with a pen, the ink may smear and become unreadable.

If you write on a small piece of paper, it may be lost. Usually when letters come into a business office, the envelope is cut open. The letters are then separated for each department, but not removed from the envelope.

When letters reach the department, they are taken from the envelope. The address and signature are checked. If the address and signature on the letter are not readable the envelope is checked for names and addresses. If the address is plainer on the envelope than on the letter, the envelope is attached to the letter.

You may put part of your address at the top of your letter. Then when you sign it you may add such facts as RFD 3, Box 345. This is fine if the information isn't included at the top of the letter. But a complete address should be given either at the top of the letter or the bottom.

If you write letters with a pencil, it should be kept sharpened. A soft lead pencil with a blunt point may smear and the letter may be illegible.

Fancy writing looks good but may be hard to read. Fancy wielding of the pen or pencil may result in no answer to your letter or no reply to your order.

Maybe you are working on machinery and decide to write a letter or order some part. And maybe you are in a hurry. But if you smear grease on the paper, you may make it unreadable.

The Service Bureau still gets letters that are unsigned. Such letters can't be answered. Be sure to sign your letters, and print your name and address at the bottom of the letter.

Other letters received by the Service Bureau don't give enough facts. To get complete answers to your letters, give as much information as possible.

Addresses and names can usually be taken from a money order or check when enclosed with an order.

Or if the address is readable, usually you will get a letter sent to you at that address whether or not your name is spelled correctly.

If your name is written plainly and the address is not readable, the company may have a record of your address if you've written them before.

Typewritten letters are easiest to read. But all letters can't be typed. Printed letters are also easy to read unless too fancy or the words jammed too close together.

Usually letters written with a pen and ink are easier to read than if written with a pencil. But if you write on rough absorbent paper, better use a medium weight lead pencil.

Some people either run the lines up or down when writing across a page of unlined paper. If your lines tend to run together, better use lined paper when writing letters.

Take your time when writing a letter. Hastily written letters are often illegible.

If you write on both sides of a sheet of thin paper, you often can't read either side. It's best to write only on one side of the paper.

When writing a letter, think about the person who will have to read it, answer your inquiry or fill your order.

Get Going to the BEST mowing you've ever known

the HIRED HAND that Never Gets Tired!

"Mow-All" the grass and weeds. Try Moz-All for the Best. Give your lawn a "treat". Trim fence rows, big yards, orchards, acreages. Zip through heavy weeds, dense brush. Solve the leaf problem without raking—burning. Get Going Today—See your Hardware or Implement Dealer—and have the Best Mowing you can get—or write to Box WF 36.

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Turn your home-grown grains into high grade feeds and SAVE up to 80¢ per 100 lb. bag. 5 sizes, 700 to 4000 lbs. per batch. 30 day trial guarantee. WRITE for Free Catalog today!

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***No-Milk* CALF FOOD**

This "piece of machinery" —your herd replacement— really needs constant care! Whether you raise one calf or a dozen, give 'em a good start on National No-Milk Calf Food and "grow 'em out" on No-Milk Heifer Pellets. You'll save money the National way!

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NEW MEYER
Hydraulic Power Loaders
For Row Crop, Conversion, Ford & Ferguson Type Tractors
Digs, moves, lifts up to one ton! Dozer blade and snow bucket attachments interchangeable with regular bucket...installed in matter of minutes. All action easily controlled from tractor seat.

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Before building your crib, write for our free crib plans, also large catalog showing many styles of "NEW MORTON" FARM ELEVATORS with the Original and Genuine Roller Chain. Strongest, Simplest and Easiest Running. Elevates beans, oats, ear corn. 50-bu. in 3 to 5 minutes. Any style hoist. Built to fit your crib. Write today.
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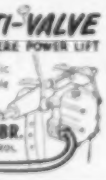

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A. H. STURGES, 333 Sunderland Bldg., Omaha, Nebraska. Registered U. S. Patent Office. Procedure information, Evidence of Invention form and Patent book sent on request. No obligation.

Like to pick apples without a ladder? Then you'll want to read about . . .

"Pint sized" fruit trees

Here is information on dwarf fruit trees from H. L. Lantz, Iowa State College horticulture specialist.

DWARF apple trees are big news among folks who like to grow fruit in their back yards. These dwarfs are a "pint size" version of the regular apple trees.

Fruit grows full size. But on a tree small enough, you can pick nearly all the fruit from the ground—and the rest from a low step ladder.

Eight to 10 feet is usually the maximum height. And that's with little or no "heading back" while pruning.

The same advantages attract both backyard gardeners and commercial fruit growers.

One is quick production. Often you'll get a few apples the second year.

And you can expect full production at least by the fifth year. Often, you wait that long before getting any fruit from the full size trees.

Full production for the dwarfs varies with pruning and the soil. Count on averaging two to three bushels of fruit per tree. Under the best conditions, yields may range up to five bushels.

Easy spraying is another advantage. Trees don't produce many apples without the proper spray treatments. The dwarfs are easy to spray with a knapsack sprayer.

Harvesting apples from dwarf trees is a lot easier, too. With the dwarfs, you can do most of the work from the ground. And the rest from a low step ladder. That's much handier for the home gardener. And cheaper for the commercial grower.

Most of the dwarfs require no special care. Pruning is largely limited to a little thinning out of cross branches. At times, some "heading back" can help.

Dwarfs do best in a cultivated area for the first three or four years. After that, you can let a sod develop.

Set the trees about 12 feet apart. If you put them in rows, keep the rows 16 to 20 feet apart.

You may want to scatter a handful of nitrogen fertilizer on the soil around the tree each year. But if there's any sign of too much vegetative growth, skip the nitrogen.

Of course, protection from rabbits is necessary. Same for any other precautions that must be taken for regular trees.

The system of making dwarfs is fairly simple. A section of wood from a dwarfing stock is grafted into the trunk of a tree. The result is the pint sized tree that produces full size apples.

Dwarf fruit trees are not new. They have been used for hundreds of years in Europe.

One of the common dwarfing stocks came from England. It is known as Malling IX (nine). Unfortunately, it does not produce a strong root system. Winds tip them over easily. So trees dwarfed with Malling IX stock must be supported.

The Clark dwarf requires an extra graft. Hardy rootstocks, selected trunk, a dwarfing section and the desired variety are all combined. But the result is an early-fruiting tree with a strong root system.

The price of dwarf trees runs two to three times that of regular trees, the difference isn't enough to worry about if you want only a few trees.

Dwarfing hasn't been confined to apples alone. The same technique is being used on other fruits.

As yet, there's been relatively little experimental work with dwarf trees. But they look like a sure hit with folks who want to try their hand at growing their own fruit.

DOUBLE profits are the goal of R. H. Lutson of Ocheyedan. By using a FELCO FEEDING PROGRAM he gets the best ingredients and mass purchasing power of more than 130,000 Iowa farmers too. Why don't you get on a double profit program? Ask your local farmers cooperative for FELCO.

HIGHER PROFITS *can* BE BRED INTO YOUR HOGS
(In spite of low markets)

The FARMERS HYBRID HOG breeding program is helping hundreds of Midwest swine producers meet the challenge of maintaining profits during low prices.

YOU can breed profits into your hogs with the Farmers Hybrid Hog breeding program:

1. Stronger pigs at birth
2. Larger litters to market
3. Faster growth, earlier marketing
4. Less Feed per 100 lbs. gain
5. More meat type carcasses
6. Farmers Hybrid Hogs mean as much to your hog program as hybrid corn means to your corn program.

DALE C. BEHRENS,
WORTHINGTON, MINN.
says:

"Last April my nine gilts farrowed 81 pigs. They went to market at 6 months and 2 weeks of age. They averaged 210 lbs. and total feed cost was $9.40 per hundred pounds from farrowing to market. This cost included vaccination. We have been satisfied with our Farmers Hybrid breeding program and our third boar was recently delivered."

Plan now to join the growing list of farmers who insure better results from their hog operation by joining the Farmers Hybrid breeding program. Compare this program with any other breeding program. Find out for yourself, see the advantages of a controlled crossing program based on genetic research.

WRITE TODAY for a FREE booklet telling what Farmers Hybrid Hogs can do for your profits.

FARMERS
HYBRID HOGS
HAMPTON, IOWA

FARMERS HYBRID HOGS
Hampton, Iowa
Name.....
County.....
Township.....
Town.....
State.....

Save the Runts, Orphans and those usually lost from Oversize Litters!

Get ready NOW for the next farrowing season by having a "PIGSAVER" on hand. "PIGSAVER" uses any good cow's milk replacer . . . serves the milk warm, day or night. Heating element keeps milk at right temperature . . . proven dependable. Self feeds 8 to 10 pigs at a time. Cuts labor costs . . . increases hog profits. Equally successful for feeding baby lambs.

GIVE ALL YOUR BABY PIGS A LIVING CHANCE

ask your dealer about PIGSAVER or mail coupon.

NORWOOD PRODUCTS CO.
Dept. WF36, Luverne, Minnesota
Please send information on "How PIGSAVER can make Money for me."
Name.....
Address.....
City.....State.....

Old Scratch®
The STOCKAID Model

OILS THEM WHERE THEY ITCH!

Let OLD SCRATCH stop the pests that eat your profits! OLD SCRATCH is a labor saver, pound builder and profit maker.
OLD SCRATCH is a simple machine, yet it has these very important patented features—no pumps—no valves—no diaphragms—no jets—nothing to clog up—no brushes to replace—positive oil flow adjustment—18 gallon capacity—fully automatic—completely all metal construction. Weather conditions, even extreme cold, have no effect on the efficient operation of OLD SCRATCH.
The Guy-wire design enables the cow to scratch any part of the body. OLD SCRATCH, complete with base, is portable and can be quickly moved to wherever you please.
Send for free book on PROVEN PEST CONTROL, Dept. W
See your local agent or order direct.
Patented in U. S. and Foreign Countries

OVER 15,000 SATISFIED USERS
Old Scratch® Inc.
OF AMARILLO, TEXAS

Help Prevent Infection

Give injured, cut or chapped teats and udders prompt antiseptic treatment. Apply Spohn's UDDER-AID. Kills germs on contact. Aids prompt healing. Stays soft—easier to use. Ideal for massaging congested udders. Only $1.00 at drug stores or sent direct.
SPOHN MEDICAL CO., GOSHEN, INDIANA

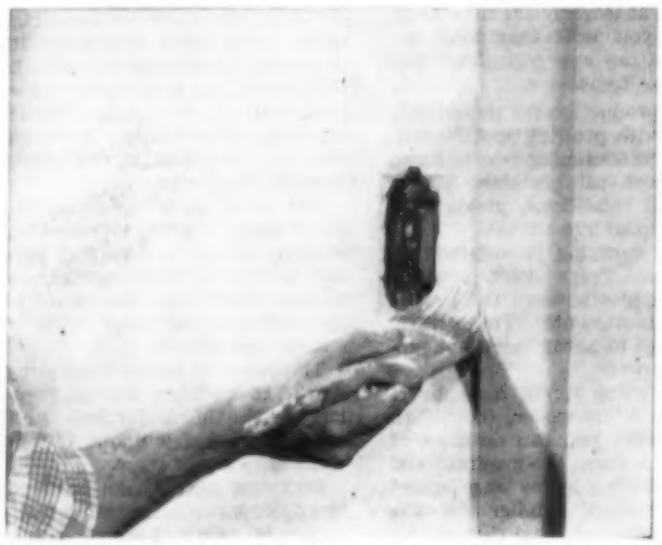
NATIONAL Vitrified SILOS
Everlasting TILE
Trouble Free. Permanent Reinforced Construction.
F. H. A. Financing.
Also Simplified SILO-MATIC Auger Type Silo Unloaders.
Write For Details, Prices
NATIONAL TILE SILO COMPANY
630 Livestock Exchange Building
STATE SIZE WANTED KANSAS CITY 15, MO.

WISCONSIN CERTIFIED OATS
Sauk, Clintland, Branch, Clintafe, Bonda, Minde, Clinton, Shelby. Direct from Foundation Stock. Funk's G Hybrids. Folder.
MERLIN SPRECHER SAUK CITY, WIS.

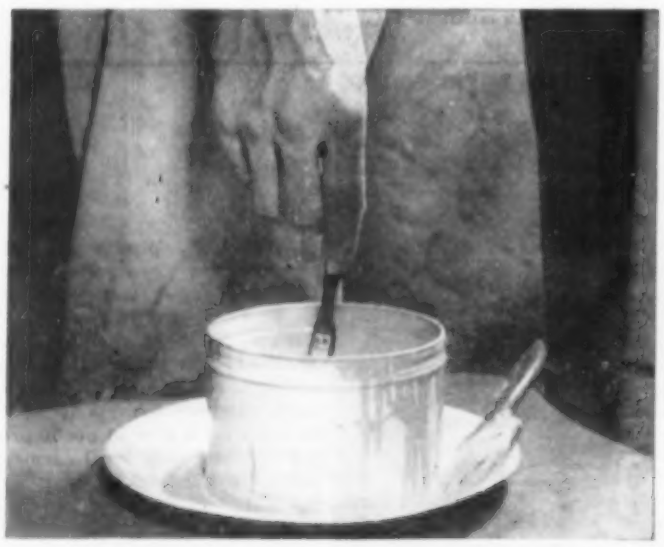
Punching holes in the rim lets excess paint run back in the bucket, keeps it from running down the outside. And it'll make it easier to put the cover on tight when you're thru.

Don't make a mess with paint

Try these simple tips; they'll help make your paint jobs faster, neater



No paint-daubed light switches here. This painter saved himself a lot of time and trouble by removing the cover plate before he started to paint. He'll have a neater paint job, too.



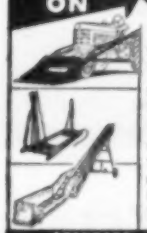
An old paper plate makes a good paint bucket holder. It'll cut down on slopped paint. And it provides a safe, handy spot to lay your paint brush.

INCREASE FARM PROFITS!

KILLS CORN BORERS by pulverizing, mulching and firming soil on cornstalks that have been plowed under — corn borers are smothered in ground. Saves time, labor, horsepower, preparing ideal seedbed. Leaves surface mulch without grooves to help prevent washing. Seedbed conserves moisture — more seeds grow. Helps increase yields of all crops. SEEDBED MAKER has 3 in 1 Combination spring tooth harrow, sprocket packer and mulcher with seeder available. Once over your plowed field with this machine does the ideal job. Write today.

TRAILER MOUNTED FOR POWER TAKE-OFF. Has traveling feed table. Especially designed for grinding or chopping larger quantities of loose or baled hay and any roughage. Comes with or without Trailer Mount and P.T.O. Both cutter knives and heavy swing hammers. Grinds any feed, wet or dry, snapped or ear corn, roughage bundles or baled flakes with farm tractor. Write for details.
WESTERN LAND ROLLER CO., Dept. 172-37
Hastings, Nebraska - Manufacturers

YOU CAN DEPEND ON Stan-hoist Farm Implements



STAN-HOIST LOADERS for all types of tractors.
STAN-HOIST, THE PORTABLE HYDRAULIC FARM HOIST.
STAN-HOIST ELEVATORS available in two models. SEE YOUR DEALER OR WRITE FOR DETAILS.
STANDARD ENGINEERING, INC.
FORT DODGE, IOWA

No disassembling. Belt powered by your tractor. Sharpen in less time—less cost than usual methods. Only $29.95 (plus Ia. sales tax). Immediate delivery by mail, postpaid. Satisfaction guaranteed. See your local Implement dealer or order direct.
E-Z SHARP CO., ARNOLDS PARK, IA.

Free! 84 PAGE NURSERY CATALOG
containing one of America's largest selections of
NEW DWARF FRUIT TREES
• Pear • Apple • Plum • Cherry • Peach
• Over 1,000 guaranteed items
Gardening Tips • Planting Instructions
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INTER-STATE NURSERIES
501 E ST. HAMBURG, IOWA

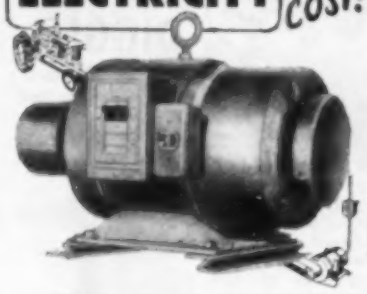
OVERLOAD SPRINGS

Fits all pickups. Will carry 2,000 extra lbs. Half price of regular overload springs. Guaranteed. Send check or M. O.
ONLY $9.75 PER PAIR
HARVESTER EQUIPMENT CO.
Dept. D-20 Albert City, Iowa

Save On Tractor Parts!
Buy direct from nation's largest combination stock of new and used parts. FREE 1956 catalog.
CENTRAL TRACTOR PARTS CO.
Des Moines, Iowa, Hastings, Nebr. or Albert Lea, Minn.

SLOW DOWN AND LIVE

EMERGENCY ELECTRICITY AT LOW COST!



Belt up your tractor to an

ONAN GENERATOR

for all the power you need!

NO MORE BLACKOUTS! An Onan Tractor-drive Generator supplies regular 115/230-volt A.C. power for lights, heating system, milker, brooder, food freezer, water pump *and all essential equipment* for as long as you need it. FOUR MODELS: 3,000, 4,000, 7,000 and 10,000 watts. Complete with belt pulley, double-throw transfer switch, circuit breaker, plug-in receptacle and voltmeter. Like any other electrical equipment, standby generators must be properly installed. An Onan Tractor-drive Generator includes a manual transfer switch *which automatically assures a safe installation.*

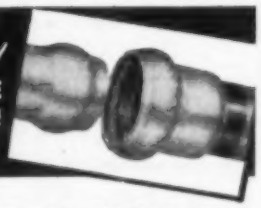
For farms with frequent power failures, Onan builds gasoline-engine-driven electric plants from 500 to 50,000 watts.

WRITE FOR FREE FOLDER

Onan ELECTRIC PLANTS

D. W. ONAN & SONS INC.
3378 University Ave. S. E.
Minneapolis 14, Minnesota

Finest IN THE FIELD!



AMES BALL COUPLER

. . . gives you the fastest positive-action connections on **any** sprinkler system.

ONLY AMES GIVES YOU ALL THESE COUPLER FEATURES:

1. Automatic locking by water pressure.
2. No hooks, latches or gadgets.
3. Steel protection on **both** ends of pipe.
4. 22° flexibility at connections.
5. Permanently attached to prevent leaks.

See us or write for full details on the Ames Ball Coupler and the famous ABC Sprinkler Systems.

AMES

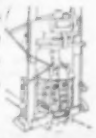
W. R. AMES CO.
1414 SOUTH WEST STREET
INDIANAPOLIS 7, INDIANA

Dist. for Iowa and Missouri:
CORN STATES HYBRID SERVICE
Des Moines, Iowa

WORLD'S FINEST DIGGER

THE CONTINENTAL

saves costs, does a better job. Also winds or unwinds barbed wire. Fits all tractors, has new instant hydraulic hitch. Handled by implement dealers. Write for descriptive catalogue.



CONTINENTAL BELTON CO.
INDIANOLA, IOWA

POULTRY HOUSES

- CAGE LAYER HOUSES
- LAYING HOUSES
- BROILER HOUSES

BROODER HOUSES

- Pole Types
- Arch Types
- Standard Types

Designers and Builders

Write or Phone

WESTERN SILO CO.
DEPT. W-3 WEST DES MOINES, IOWA

— OUR ADS ARE NEWS —

Welder on wheels is what Art Hudachek, Muscatine county, Iowa, fixed up with a little work. He made the cart of scrap iron, pipe and hard rubber tired wheels. A wheelnut allows easy changing of tanks which are held by a chain and eye-bolt. The small tool box carries goggles and lighter.

Rural Route Ramblings

By R. F. D.

ALONG ABOUT this time of the year, I always achieve a new high at feeling low and wander around vaguely with sort of a hunted, husbandly, head of the family look.

INCOME TAX time.

IT REALLY SHOULD be a cinch for me to make mine out! I can't even keep my checking account balanced for two weeks or between pay days.

I AM RATHER suspicious of my bank. How come I am always overdrawn and never underdrawn? Come on, fellows, the law of averages should give me a win once in a while!

AND WHILE I am on the subject, I would like to say that whoever dreamed up that deal of $600 for each dependent never had any!

I FIRMLY believe that anyone with a wife and children—that, of course, means husbands—and is making less than $5,000 a year, should not pay any income tax.

AND IF I EVER get around to it, I might run for something (I am getting tired running FROM something) on that very platform.

ALONG ABOUT this time of the year—depending on which side of the house I am inspecting—I am never sure whether I have my storm windows up late or my screens up early.

BUT WHICHEVER it is, I will be wrong.

LOVELY *Beautiful* ROSE BOUQUET PATTERN

5 PIECE PLACE SETTING

STAINLESS STEEL TABLEWARE

$2.25 VALUE FOR *only* $1.

AND 2 COUPONS FROM 50 LB. BAG OF

Corn King MINERAL

Now!

Enjoy the beauty of fine tableware in practical, easy-to-care-for stainless steel. Never tarnishes, never needs polishing. Can't chip, finish never wears off. Durable for everyday use, yet handsomely designed for attractive table settings when company comes. This amazing offer is limited so start a set for yourself and for gifts today, and save $1.25 on each place setting.

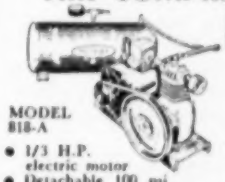
(OFFER NOT GOOD IN STATES WHERE PROHIBITED BY LAW)

When you have to watch your feeding costs more closely than ever, Corn King can show you the way to save up to ½ on quality mineral. Guaranteed to be the hardest working mineral you can buy. Yet, famous Corn King is priced up to 50% lower than other quality minerals. Switch to Corn King now and add the difference to your livestock profits. Available from your dealer.

The CORN KING CO., Inc. Cedar Rapids, Iowa

THE SIEBRING PORTABLE

AIR COMPRESSOR



FOR EVERY FARM NEED

MODEL 818-A

- 1/3 H.P. electric motor
- Detachable 100 psi tank for easy portability
- Air hose, quick coupler & chuck

Weighs only 46 lbs.

COMPLETE WITH MOTOR **$94.00** DELIVERED

DEALER INQUIRIES INVITED

See your Dealer or write *Siebring* MFG. CO.
SALES DIVISION, 728 S. Ardmore Ave.
Villa Park (Chicago), Illinois

ALL STEEL ONE-MAN PIG HOLDER

Holder Fits Any Fence

FASTER, SAFER INCREASED SANITATION

Now castrate, vaccinate, ring, work on ruptured pigs without help. Two sizes. Will hold pigs from 20 lbs. to 85 lbs. Guaranteed to hold pigs or money refunded. Over 3,500 sold.

SEE YOUR DEALER TODAY, or write

O. M. MORRISON CO.
MT. PLEASANT 3, IOWA

Your Money Earns **3%** per year currently

INSURED BY AGENCY OF U. S. GOV'T to $10,000 at

POLK COUNTY FEDERAL
SAVINGS AND LOAN ASS'N
7TH & HIGH DES MOINES, IOWA

STOP IN OR MAIL YOUR CHECK AND SAVINGS BOOK WILL BE FORWARDED.

WIRE WINDER

Roll and unroll barbed wire with tractor either in stationary position or at speeds up to 15 m.p.h. Heavy duty slip clutch keeps wire tight. Collapsible spool. Very low cost. Write for free literature.

Dept. B-15
MIDWEST WIRE & STEEL PRODUCTS
South St. Paul, Minn.

$1000 CASH PRIZES

FOR PHOTOS OF FINE CALVES Raised on Blatchford's Calf Feeds

FIRST PRIZE	$300.00 CASH
SECOND PRIZE	100.00 CASH
THIRD PRIZE	50.00 CASH
55 PRIZES, EACH	10.00 CASH

PLUS 100 BLUE RIBBON HONORABLE MENTION PRIZES
(Each Honorable Mention Winner receives a 25 lb. bag of Calf-Pab)

EASY TO WIN; OPEN TO ALL—No Entry Blanks. No Jingles to Write. No Puzzles to Solve. Just send a photo of your calf fed on Blatchford's Calf Feeds, with a letter giving details outlined in the rules at your Blatchford dealer, or the feeding directions in each bag of Calf-Pab.

CONTEST CLOSES AUGUST 1, 1956

Blatchford's

CALF-PAB

THE MILK REPLACER YOU KNOW IS GOOD!

COMPARE THE PRICE!
Buy Calf-Pab and SAVE!
No calf feed can give you better calves than Calf-Pab, yet Calf-Pab costs less to feed. So, why pay more? Ask for Calf-Pab and get FINE CALVES AT LESS COST!

Blatchford's ESTABLISHED IN 1906

Main Plant and Office WAUKEGAN, ILL. | Midwest Division Des Moines, Iowa | West Coast Division Nampa, Idaho

DEPT. 1736

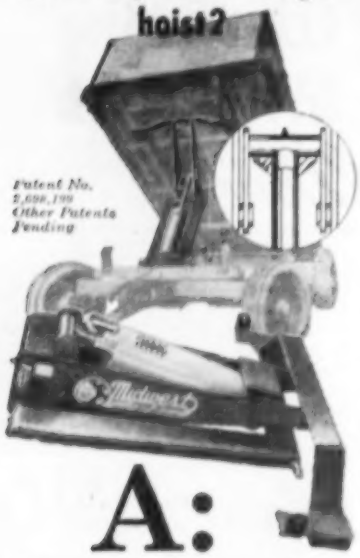
FARMERS, DEALERS, AGENTS

Make extra money. Demonstrate, take orders, now proven nationally advertised Gro-Green Liquid Fertilizer and Nitrogen Solutions. Full-part time. Samples and demonstrating outfit FREE.

CAMPBELL CO., ROCHELLE 70, ILLINOIS

Q:

Why do more farmers buy Midwest Bolster Hoist than any other wagon hoist?

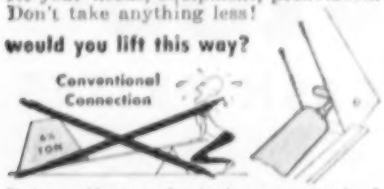


A:

Because of tremendous lifting power of patented Godbersen Powr-Link!

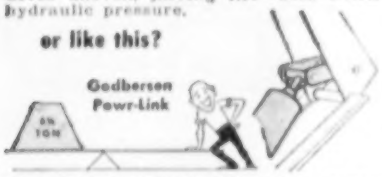
Compare, and you'll find Midwest Bolster Hoist lifts a bigger load higher, with less oil, less hydraulic pressure. Amazing Godbersen Powr-Link makes all other wagon hoists obsolete. *Unconditional Factory Guarantee* backs the performance, workmanship, and materials in every Midwest Hoist for one year.—There's a Midwest Hoist to fit your needs, equipment, pocketbook. Don't take anything less!

would you lift this way?



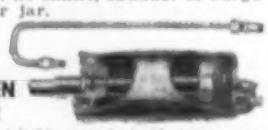
Extra effort and strain are required when you lift improperly. The "misplaced fulcrum point" means that extra pounds pressure are needed for the lifting job. Conventional hoist system has fixed connection between cylinder ram and hoist frame. This forms a "fixed fulcrum point" that is efficient at ONLY ONE POINT IN THE LIFTING ARC. Gives uneven, jarring lift—uses extra hydraulic pressure.

or like this?



The right way! With fulcrum in proper position lifting is easy. Godbersen Powr-Link corresponds to a "movable fulcrum" that gives maximum lifting efficiency THROUGH THE FULL ARC OF THE LIFT. It PIVOTS through the lifting arc—always keeps the point of pressure at the best location for best lift power. Powr-Link provides SMOOTH, EFFORTLESS LIFTING OF HEAVIEST LOADS with no shake, shudder or surge—no jerk or jar.

HEAVY DUTY GODBERSEN CYLINDER



None other like it! Many exclusive features. Attachment kit permits *conversion* from single-action to double-action cylinder *without disassembly*.

Write for FREE Literature, Prices, Specifications. Do it Today!

Midwest Industries, Inc.
DEPT. 4, IDA GROVE, IOWA

Fair prices for custom work

Here are suggested rates, based on actual cost plus profit margin

WHAT'S a fair price for custom work? What should you pay? Or what should you charge?

Supply and demand usually determine the market rate in any community. So if a rate for a certain operation has been established in your area, you can figure it probably is about right.

But custom rates for some operations may not be established. In that case, you may find help in the list of custom rates for 1956 suggested by Iowa State College agricultural engineers in a recent issue of the college publication, Farm Science.

These suggested custom rates are based on the actual cost of operations on farm land operated by the college. They represent the actual cost of the operations plus a profit margin of 25 to 40 percent. That profit margin is necessary to protect the operator against the risks of ownership and to give him some return for management skill.

The suggested custom rates also include charges for depreciation, interest on investment, housing of equipment, federal excise taxes, repairs, servicing, fuel, lubricants and labor. A charge of $1.30 per hour is made for labor.

The table below shows a suggested range of custom charges. The smaller figure is suggested for favorable conditions. And the larger figure for operation under less favorable conditions.

Custom rates for '56

. . . . Suggested by Iowa State College

Tillage				
Plowing: two-bottom plow	$3.50	to	$4.00	per acre
Plowing: three-bottom plow	3.00	to	3.50	" "
Disk harrow, 10-foot tandem	1.25	to	1.50	" "
Drag harrow, 20-foot	0.70	to	0.85	" "
Packing, double-gang corrugated roller	1.00	to	1.25	" "
Planting				
Drill, small grain, 10½-foot	1.20	to	1.40	" "
Fertilizer drill, grain and fertilizer 10½-foot	1.90	to	2.25	" "
Seeding alfalfa, clover, grasses, cultipacker seeder	1.20	to	1.40	" "
Plant, row crop, drill: 2-row	1.80	to	2.15	" "
4-row	1.15	to	1.40	" "
Plant, check row: 2-row	1.70	to	2.00	" "
4-row and fertilizer	2.00	to	2.40	" "
Cultivation				
Weeder, 4-row	0.75	to	0.90	" "
Rotary hoe, 2-row	1.15	to	1.40	" "
Cultivate shovel or sweeps:				
2-row	1.60	to	2.00	" "
4-row	1.25	to	1.50	" "
Harvesting				
Corn picking, 2-row	5.00	to	6.00	" "
Picker-sheller, add 1.5 cents per bushel				
Hauling from field, elevating and binning	0.06	to	0.07	per bu.
Combining direct or pickup	5.00	to	6.00	per acre
Windrowing	2.00	to	2.40	" "
Forage harvesting:				
corn or sorghum field cut	7.50	to	9.00	" "
grass and legume field cut	5.50	to	7.50	" "
Haul, elevate or blow and pack silage	1.50	to	1.90	per ton
Haying				
Mowing	1.50	to	1.80	per acre
Raking hay	1.10	to	1.40	" "
Loading and hauling loose hay	3.50	to	4.20	" "
Field baling, including tie	3.90	to	4.60	per ton
Pickup, haul and store bales	3.25	to	3.90	" "
Fertilizing				
Load, haul and spread manure	2.20	to	2.60	per ton
Spread commercial fertilizer broadcast	1.45	to	1.85	per acre
Spraying				
Spray 2,4-D (corn or flat work includes 2,4-D)	2.60	to	3.15	" "
Spray corn borer (no materials)	0.65	to	0.75	" "
Spray DDT, fly control in buildings and around lot, men (no materials)	3.60	to	4.50	per hour
Miscellaneous				
Cut cornstalks, rotary cutter	2.60	to	3.15	" "
Bore post holes	0.25	to	0.30	each
Sawing wood, chain saw	4.00	to	5.00	per hour

Digs Faster, Cleaner, Through Any Soil

NEW OTTAWA FARM Chief

POST HOLE DIGGER

Now, speed up your post-hole digging jobs! New, EXCLUSIVE **Spade Blade Auger Point digs** thru any type of soil, thru tree roots, etc.—scours itself as it digs.

Timken Bearings & Anti-Strip Ductile Iron Gears make Ottawa Farm Chief smooth operating and practically wearproof—even under heavy duty digging.

Shear Bolt (A) conveniently located for fast and easy replacement. Should shearing occur, the auger and universal joint do not disconnect.

You get **These Features** PLUS 8 Other Top Quality Advantages ONLY on *Ottawa Farm Chief Post-Hole Digger.*

Write Today for **FREE** *folder that shows you how to get faster, smoother digging at surprisingly low cost.*

OTTAWA-WARNER CORP., INC.
Dept. N 2609 Walnut St. Kansas City, Mo.

DISTRIBUTED BY
KLING EQUIPMENT CO., INC.
901 Rockford Rd., S. W.
Phone 5-0514
CEDAR RAPIDS, IOWA

FARNAM Rope-Wick Automatic OILER

with Controlled Oil-Flow From **5-GAL. OIL SUPPLY TANK**

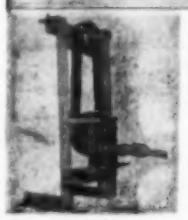
- Oils cattle better!
- Does not require constant refilling!
- Cattle can't tear them up!

GIANT 3" MARINE ROPE provides perfect rubbing and scratching surface. Oils cattle thoroughly. Wears like iron! Entire mechanism built to last for years, yet **priced competitively** with old-fashioned, non-automatic back scratchers. Easy to install! Attaches to any post, *anywhere!* No service problems! Just fill with oil, and forget them. Cattle treat themselves. Apply insecticide *where* and *when* needed to control stock-pests, including vicious biting Horn Flies.

30-DAY "FREE TRIAL" OFFER! — Write for Illustrated Literature and details of 30-Day "Free Trial" Plan write —

FARNAM CO. Dept. 84, 6701 N. 29th, OMAHA, NEBR.

HENKE POWER TAKE-OFF CORNSHELLER DRIVE



Fits **M. M.** Model **E** or **John Deere No. 6.** Can be adapted to fit any make corn sheller. Heavy duty gears and chain drive. Uses Tractor **P.T.O.** No slippage. Does top job economically.

HEAVY DUTY ROLLER MILL

Truck or Trailer Mounting. New! Run by power take off, motor or tractor belt. 4 sizes. Finest workmanship.

Write for literature and prices
HENKE MFG. CO., Columbus 5, Neb.

Great Gate!

FAMOUS *"Can't-Sag"*

- America's best known farm gate—hangs better, lasts longer, costs less.
- Boards double-bolted at every joint for greatest strength and rigidity.
- Double truss braces, angle steel uprights, prevent warping or twisting.

See your local dealer
ROWE MANUFACTURING CO., Galesburg, Ill.

SHARPEN YOUR DISC on the farm without taking it apart. **Simple** and easy to use. Every farmer should own one. Now only 19.95 with complete instruction. Ask your dealer or write.

ALLIED EQUIP. CORP.
427 N. Main St., Bloomington, Ill.

Plan To Attend The

ADEL HEREFORD SALE!

Horned and Polled Herefords

Sale at the Adel Sale Pavilion

Adel, Iowa
Sat., March 10

90 HEAD

28 Females - 62 Bulls

Both Horned and Polled Herefords will sell. All will be tested for TB and Bangs.

Included will be cows with calves at side, bred heifers, and a few open heifers. The bulls will include 3 proven herd sires, and the balance mostly of serviceable age. The get and service of some of the most popular bulls in this area will sell. Consigned by the following leading breeders:

Leonard Hanf, Orient, Ia., 2 bulls
Virgil Schurman, Laceona, Ia., 2 bulls
Wayne Sheriff & Son, Orient, Ia., 2 bulls
H. L. Ross & Son, Earlham, Ia., 1 bull
Knop Hereford Farm, Atlantic, Ia., 3 bulls
Gail E. Higgins, Earlham, Ia., 3 bulls
T. M. Hayden, Creston, Ia., 2 bulls and 4 females
Howard Wurster, Tingley, Ia., 1 bull
Ralph Hughes, Lorimor, Ia., 1 bull and 2 females
C. C. Grandfield, Lorimor, Ia., 2 bulls
Schardein & Hunter, Earlham, Ia., 1 bull
Joseph A. Knutzky, Perry, Ia., 1 bull
L. C. Dickenson, Des Moines, Ia., 1 bull
Henry Weinkoetz, Afton, Ia., 1 bull and 1 female
Handrock Hereford Farm, Osceola, Ia., 3 bulls
Meredith Farms, Des Moines, Ia., 8 bulls and 8 females
Ernest Day & Sons, Grimes, Ia., 2 bulls and 3 females
H. J. Sheriff, Orient, Ia., 1 bull
Rayeal S. Hagan, Mercer, Mo., 2 bulls
R. O. Black & Sons, Farnhamville, Ia., 3 bulls
Elmer Vaudt, Lohrville, Ia., 3 bulls
J. A. Stovall, New Sharon, Ia., 1 bull
Paul E. Rice, Creston, Ia., 3 bulls and 5 females
Fincham Bros., Ames, Ia., 1 bull
Albert DeWitt & Son, Peru, Ia., 3 females
Jas. Mulvihill, Cumming, Ia., 4 bulls
Brend Bros., Adaza, Ia., 3 bulls
Joe Fitzgerald, Mitchelville, Ia., 6 bulls

Don't wait. Send today for your FREE catalog. Please mention this publication. Address

ALBERT DEWITT, Sale Mgr., PERU, IOWA

Auct.: Keith Goode — Arch Stone, Fieldman

Iowa Hereford Cattle Breeders Association

INCORPORATED

HENRY MOORE, Secretary
CYLINDER, IOWA

56th ANNUAL SALE!

Stock Yards Sale Pavilion

Sioux City, Iowa, Monday, March 12th

12 FEMALES - 33 BULLS

Choice, richly-bred cattle, selected from leading herds in this section. The bulls, well-grown, rugged, most all ready for service. You can find a herd bull here. They will please. The females, desirable young cattle, which include bred and open heifers. The consignors are:

BENNIE NEDVED, Pocahontas, Ia.
S. O. KNUDSON, Sioux Rapids, Ia.
IVAN THORNHILL, Ida Grove, Ia.
RALPH GILBERT, Peterson, Ia.
WILLER HEREFORD FARM, Akron, Ia.
GLEN BUSH, Lake Park, Ia.
KENNETH BUYERS, Lake Park, Ia.
JOE GRABNER, Breda, Ia.
AL REIMAN, Emmetsburg, Ia.
ALEX CONOVER, Holstein, Ia.
CHRIS FELTON, JR., Aurelia, Ia.
VERNON MARTIN, Grover, Ia.
LAURENCE JEFFERS, Laurens, Ia.

In this offering you will find the rich breeding of **BATTLE INTENSE, GOLDEN ASTER, BACA REAL ELATION, BELLS RESOLUTION** and other dependable tribes.

An ideal place to make profitable selections. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

HENRY MOORE, Sale Mgr., CYLINDER, IOWA

Auct.: Chas. Corkle — T. W. Sherlock, Fieldman

20th Annual

—Marion County—
HEREFORD SALE

To be held at the Bingley Sale Pavilion

Knoxville, Iowa
Sat., March 24

SHOW: 9:00 A. M.
Judge: Don Rinner

SALE: 12:30 P. M.
Auct.: Col. G. H. Shaw

SELLING 111 LOTS

48 BULLS—Herd bulls, herd bull prospects, and commercial bulls
36 BRED COWS—Foundation cows
9 BRED HEIFERS
12 4-H HEIFERS—Outstanding heifers for this year's Club Projects.

The Grand Champion Group of steers at the Iowa State Fair in 1955 was shown by Marion County 4-H. Two of these steers were bred by consignors in this sale. The county champion group of Hereford heifers at the Iowa State Fair in 1955 was also shown by Marion County 4-H, and three of this group were bred by consignors in this sale.

Anderson, Martha Jane ..... Knoxville
Altheide, Vernette & Sons ... Bloomfield
Burns Hereford Farms ..... Pulaski
Christenson & Sons ..... Tracy
Core, Dale J. ..... Pleasantville
Core, Lloyd E. ..... Pleasantville
Danamere Farms ..... Carlisle
Dyer, Ralph ..... Pleasantville
Epperson, F. E. & Son ..... Batavia
Fisher, S. S. & Son ..... Knoxville
Fitzgerald, Joe W. ..... Mitchellville
Harsin, G. E. & Sons ..... Harvey
Heaberlin, S. M. & Sons .. Pleasantville
Keding, Reese ..... Knoxville
Long, C. C. & Son ..... Corydon
McClure, John R. ..... Chariton
Meredith Farms ..... Des Moines
Pim, Raymond T. ..... Chariton
Proffitt, Guy & Son ..... Pleasantville
Roberts, R. D. ..... Knoxville
Roberts, Edmond ..... Knoxville
Spiker, Alger & Violet ..... Blakesburg
Vanderwerff, John ..... Newton
White, S. M. & Son and Daughter ..... West Grove
Woody, H. J. ..... Resenor

The Annual Banquet and Business Meeting will be held at 7:00 P. M., Tuesday Night, March 20, at Memorial Hall in Pleasantville. All members and consignors are urged to attend. Send now for your FREE catalog. Please mention this publication. Address

S. M. HEABERLIN, Secy., PLEASANTVILLE, IOWA
MARION COUNTY HEREFORD ASSOCIATION

Arch Stone, Fieldman

Where buyers get first choice of the year's best offering, by famous bulls

Illinois Polled Shorthorn
STATE SHOW AND SALE

Heated sale pavilion, Normal University

NORMAL, ILLINOIS
SATURDAY, MARCH 17

SHOW 8:30 A. M. — **SALE 12:00 Noon**

25 Very Good Bulls — 24 Ready for Service
40 Choice Females, 23 Bred, Many Show Prospects

This offering includes the blood of 11 International and Polled Shorthorn Congress champions plus that of many more state fair and sale tops — the richest in famous blood we have ever presented.

The Illinois State Sale has an outstanding record for selling young stock that go on to become champions and producers of champions in the hands of their new owners. Rich premiums and valuable trophies offered, attract the tops from the great herds.

CONSIGNORS

Glen Anderson ..... Paxton, Ill.
Marshal L. Boyle ..... Putnam, Ill.
Paul Brummett & Son. Humboldt, Ill.
Albert A. Clausen .... Arthur, Ill.
Collins Farm ..... La Crosse, Ind.
Alfred A. Culver ..... Athens, Ill.
DeWitt & Mansfield .. Decatur, Ill.
Vernon Dowell .... Greenview, Ill.
R. E. & R. L. Ebner .... Tonica, Ill.
Kenneth Geisz ..... Mt. Carroll, Ill.
Mr. and Mrs. Chas. Hoppin .. .. Virginia, Ill.
Carl M. Johnson ..... DeKalb, Ill.
Charles Leemon .... Hoopeston, Ill.
W. T. Leemon ..... Hoopeston, Ill.
Kenneth McDaniel .... Hermon, Ill.
H. R. Moore ..... Hamilton, Ill.
Morris Bros. ..... Aledo, Ill.
Ralph Palmer & Sons . Abingdon, Ill.
Pecharich Bros. ... Good Hope, Ill.
K. G. Phelps & Son .... R 1, Monmouth, Ill.
Reetz Bros. ..... Milford, Ill.
A. C. Schall & Son .... Colmar, Ill.
Geo. W. Schwartz .. Washburn, Ill.
Setterdahl Bros. ..... Rio, Ill.
John Siegle & Son .... St. Francisville, Ill.
Geo. E. Smith ..... Keokuk, Ia.
Eliz & V. P. Spencer ... Clinton, Ill.
Forrest Stegall & Sons . Victoria, Ill.
Robert L. Stimpson ... Milford, Ill.
H. L. Walker & Sons .... R 4, Decatur, Ill.
W. A. Warters ..... Allerton, Ill.

Annual meeting and baquet of the Illinois Polled Shorthorn Breeders Association at the Illinois Hotel, Bloomington, 6:30 P. M., March 16, 1956. Write for FREE catalog, mentioning this publication, to

HAL LONGLEY, Sale Mgr., 16 S. Locust St., AURORA, ILLINOIS

T. W. Sherlock, Fieldman

27th Annual Sale Mercer County ANGUS

Fair Grounds, adjoining town, only 25 miles south of Davenport, Iowa, at

Aledo, Illinois

SATURDAY March 24, 1956

132 LOTS

25 Bulls - 107 Females

The bulls are strong, aged and ready for heavy service and close up to International Grand Champions. There are 3 tried sires and include PRINCE OF SHADOW ISLE 7th 1259938, a son of the International Reserve Grand Champion bull, the $35,000 Prince Barbarian of Sunbeam. His dam one of the most talked about cows in the entire country; the $14,000 Edna Eileen cow, Blakeford GR Eileen 560 dam of the $20,100 top selling bull in the Shadow Isle dispersion. You will like him and his calves. Also selling W & R Prince Eric 47th 1681953, a son of Prince Eric 3d of Sunbeam, full brother to the $100,000 Prince Eric of Sunbeam. Juana's Eric Lad 1361824 a grandson of Maas Bros. $10,700 Prince Quality of Sunbeam, also sells as a tried sire. 22 younger bulls all old enough for service. They include 3 grandsons of HOMEPLACE EILEENMERE 999-35th, Reserve Grand Champion bull at the 1953 and 1954 International. 5 grandsons of Prince Sunbeam 249th the $100,000 International Grand Champion bull. 2 grandsons of the $70,000 Eva's Bandolier Lad. 2 sons of BANDOLIER 157th OF WILTON, sire of the $10,000 undefeated steer "CANDY". The bulls are bred to be Herd Bulls. Bulls that will sire the preferred types of calves. Bulls suited for service in the country's choicest herds. Bulls for the farmer. You will find what you are searching for among them.

FAMILIES SELLING

Gummer 2
Beauty of Hayston 3
Ruth of Tillyfour 6
Blackcap Bessie 2
Ballindalloch Coquette 2
Ballindalloch Georgina 6
Ballindalloch Jilt 4
Ballindalloch Nosegay 1
Ballindalloch Blackbird 1
Blueblood Lady 5
Black Beauty Zara 3
Edna Eileen (Rosemere) 1
Rosemere Eileen 3
Emelie Erianna 1
Witch of Endor 8
2nd Branch Blackbird Barbara 1
Maid of Bummer 8
Miss Burgess 9
Katinka 1
Abbess 1
Blackcap Ellie 6
Hartley Edella 1
Hartley Elime 1
El-Jon Edwina 1
Evolution Erica 1
Eluna Erica 1
Glencarnock Elba 4
Eborea Elba 5
Cridlan Evergreen 4
Eulima Erica 2
Juanerra Erica 3
Beltada Blackbird 1
Edwina Erica 1
Elslow Evergreen Erica 1
Enchantress Erica 1
Edella Erica 1
Erica Fairy Erica 2
McHenry Barbara 7
Queen Mother 5
Portlethen Lucy 2
Lady Ida 1
K Pride of Aberdeen 2
McHenry Blackcap Empress 2
McHenry Blackcap Lady 4
McHenry Blackcap 1
Lanta Blackcap 1
4th Branch Blackbird 2
Heather Bloom 1

This is a group of families with lots of individual merit and breeding back of them. Their pedigrees are full of cattle with enviable show ring records. Seeing is believing, so plan on March 24.

Ask now for the FREE catalog, beautifully illustrated. Kindly mention this publication. Address

Hugh McWhorter, Secy., Aledo, Illinois

Auctioneers: Roy Johnston and Ray Sims — T. W. Sherlock, Fieldman

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LAST CALL!!

NORTHEAST MISSOURI ANGUS SALE

THURSDAY, MARCH 8, MEMPHIS, MISSOURI

Sale at 12:00 Noon, at the New Hinds Sale Pavilion

26 Bulls - 99 HEAD - 73 Females

The following names were omitted from the previous list of consignors:

LARRY DAGGS — HUBERT ROGERS
E. M. ERWIN — HOCKER AND TEITSORT

Many popular families and top bloodlines. Bulls for the purebred breeder and commercial man. Plan to attend.

PAUL VAN METER, Secy., QUEEN CITY, MISSOURI

JERSEY DISPERSAL

J. N. MARTIN, New Providence, Iowa — FRIDAY, MARCH 16, 12:30 P. M.

35 Head — Production Bred Jerseys. 9 times a "Gold Star" herd; 31 year herd average of 468.4 lbs. fat; 1955 herd average 465.4 lbs. fat. 17 Cows, 13 Bred and Open Heifers, 4 Young Bulls and the herd sires.

ONE OF HIGHEST PRODUCING HERDS IN IOWA
All T.B. and Bangs Tested. Ask for FREE catalog. Address

IVAN N. GATES, Sale Mgr., WEST LIBERTY, IOWA

Auctioneer: Warren Collins

BEEFLAND

Aberdeen-Angus Sale

Mississippi Valley Fair Grounds

THURSDAY, MARCH 15

Starting at 11:00 A. M.

DAVENPORT, IOWA

92 LOTS

22 BULLS - 70 FEMALES

The 22 Bulls, strong ages. Sons of some of the outstanding sires of the breed. BANDOLIER, EILEENMERE, WINTONIER, and SUNBEAM breeding. An exceptionally well-bred group of bulls. Bulls for registered herds, farmers and commercial producers.

70 Grand Females, bred heifers, open heifers and some cows. A sale to secure replacement females or for foundation. Quality and families that will please.

FAMILES: Eurotia, Black Jestress, Mignonne, Blueblood Lady, Ethelda Erica, Rosemere Irene, Katinka, Blackcap Carmen, Maid of Bummers, Witch of Endors, Georgina, Jilt, Zara, Portlethen Lucy, Elluna, Eulima, Rosemere Barbara, Juana Erica, Blackcap Empress, Miss Burgess, Elba, Blackbird, Erica, Queen Mother, Blackcap, K. Pride, Kinochtry Beauty, Evergreen, Pride of Aberdeen.

	Bulls	Females		Bulls	Females
Dr. C. E. Block, Davenport, Ia.	1	7	Adelbert Reid & Son, Lisbon	1	
Edward P. Bockwoldt, Durant	2		Robinmere Farm, Mechanicsville	1	2
Browns & Hansens, New Liberty		2	Floyd Spear & Son, Stanwood	1	1
Clapp Acres, Lost Nation		1	Emil Seebock, Bennett		1
David Clapp, Lost Nation		2	Walter Seebock, Tipton		1
Maurl E. Grist, Stanwood	1		Smith & Nevins, Tipton		2
Charlie Davis, Anamosa		2	Oscar Swanson, Davenport	1	2
L. J. Dolan, DeWitt		2	W. J. Walshire, Mechanicsville		2
Arnold J. Driscoll, Tipton	2		Ezra Wennda & Sons, Wyoming		3
Eiltonier Angus Farm, Tipton	2	2	Willamore Farms, Stanwood		6
Lester Fellner, Stockton		3	Wilton Farms, Davenport		2
O. A. & M. O. Henderson, Muscatine	1	4	Alfred J. Worrell, West Branch		3
Leveldale Farms, Calamus		2	Mentridge Farms, Muscatine	1	4
Norwin Martens & Son, Tipton		5	T. N. Brown & Sons, Nichols	2	
James Moffit, Stanwood	2		Tom T. Bowstead, DeWitt		2
Waldo Mommson, Clinton	2	3	H. F. Maurer & Son, Tipton	1	
Harry Newman & Son, Martelle		2	Gale Maurer, Tipton		1
Floyd & Gene Nicewanner, Stockton		2	Robert Schmidt, Delmar	1	

Write for the FREE catalog. Please mention this publication. Address

OLIVER A. HANSEN, Mgr., DURANT, IOWA

Auctioneers: Woodruff and Irons — T. W. Sherlock, Fieldman

ROBINMERE FARM

To Eastern Iowa Angus Sale — DAVENPORT, IOWA, MARCH 15

2 EXTRA CHOICE HEIFERS, 1 CHOICE BULL. All March yearlings, by **Revolution RHS 3rd.** Junior champion 1954 Iowa State Show and Sale. Featuring **Robinmere Black Flossette 2nd**—the granddam is dam of heifer we sold in last year's **Beefland** sale, and won 1st in class at Illinois State Fair and champion in Illinois State Sale in '56. **Robinmere Miss Burgess 2nd**, a well-bred heifer that will make a fine foundation cow. **Robinmere R of Still Meadows**, a good herd bull prospect for someone. Be sure and see them before the sale.

German Robinson, Mechanicsville, Iowa

Royal-Bred Angus

Sale at Headquarters Farm, east edge of

OSCEOLA, IOWA

TUESDAY, MARCH 27

20 Bulls - 47 Females

HARKEN FARMS — OSCEOLA IOWA — "Bulls of Distinction"

Rich in the blood of EILEENMERE-SUNBEAM AND BELL BOY

Choice rugged bulls, 13 are long yearlings, 7 tops from our '55 crop. They are low-set, thick-fleshed, pleasing type, genuine herd bull prospects. The females, 6 cows and calves, 8 bred cows, 20 bred heifers, 13 open heifers, ideal age to breed. By our great sires and the popular families. (Full details next issue.) Ask now for FREE catalog. Kindly mention this publication. Address

PEER PRINCE 2nd, our 3 year old herd sire. A double-bred SUNBEAM. 2 heifers mated to him.

HARKEN FARMS, OSCEOLA, IOWA

C. R. HARKEN, M. D., Owner

Auct.: Roy Johnston — J. E. Halsey, Fieldman

●Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

—When writing to our advertisers, please mention this paper—

Marion County

Aberdeen-Angus Assn.
Spring Production Sale

MARION COUNTY ANGUS ASSOCIATION

KNOXVILLE, IOWA

MONDAY, MARCH 26

Hillcrest Sale Barn, 11:00 A.M.
Bulls Will Sell First

111 LOTS

34 Bulls - 77 Females

Most of the bulls are ready for heavy service. A few tried sires, and a few yearlings. Bulls for the purebred breeder or commercial man.

Included in the female offering will be cows with calves at side and rebred, bred heifers, and open heifers. An offering selected from the top herds in Marion County, and many will carry the service of top herd sires of leading bloodlines. Families selling will include:

Barbara Woodson
McHenry Blackcap
McHenry Barbara
Blackcap Jessie
Blackcap Empress
Maid of Bummers
Juana Erica
Edwina
Maid of Banks Miss Burgess
Blackcap Pudge
Erianna
Georgina
Rosemere Barbara
Berosa Miss Burgess
K. Pride

CONSIGNORS

BANE, Robert	Pleasantville	HARVEY, Clifford	Hamilton
BANKS AND SHERLOCK	Knoxville	KELLER, Victor	Monroe
BINGAMAN, Duane	Columbia	LOYNACHAN, Clarence & Son	Knoxville
CLINE, Ray and Herbert	Bussey	OVERTON & HODGSON	Pleasantville
DAVIS, J. M., & J. L.	Pleasantville	ROBUCK, Carl	Knoxville
DUNCAN, Ward	Knoxville	RODGERS, John	Pleasantville
EMERSON, O. O. & John	Knoxville	SHILLING, Walter & Son	Bussey
GALVIN, Guy G.	Pleasantville	SPAUR, Zenard	Tracy
HARSIN, Don G. & Sons	Knoxville	SNYDER, Walter	Knoxville
HARVEY, C. S. & Eugene	Knoxville	TERPSTRA, Gerald	Pella
HARVEY, C. S.	Knoxville	WHITLATCH BROS.	Knoxville
HARVEY, Eugene	Knoxville		

Plan now to attend, and buy from one of the oldest Angus Associations in the state. Send now for your FREE catalog. Please mention this publication. Address

HERBERT CLINE, Sale Mgr., BUSSEY, IOWA
MARION COUNTY ABERDEEN-ANGUS BREEDERS ASSN.

Auct.: Johnston & Sims — Arch Stone, Fieldman

DENISON ANGUS
Spring Sale
March 13, Denison, Iowa

22 BULLS

—rugged well-bred beef bulls, and open heifers

58 FEMALES

—mostly all ready for heavy service
—cows and calves — bred heifers

Denison, Iowa, has long been known as the heart of a great Angus county. It was the home of the late W. A. McHenry herd that was one of the all time great herds of the breed. The Denison trade territory is made up of a large number of strong Angus herds headed by outstanding herd sires of note. This is our first Association sale so the breeders have drawn deep from their herds to present an attractive offering.

CONSIGNORS

Breeman & Davis	Moorhead	George Johnson	Kiron
Ervin Crews	Moorhead	Fred Knop & Sons	Charter Oak
Dwight Garner	Ida Grove	Neumeyer Bros.	Charter Oak
Hutchinson & Lamp	Denison	Loren North	Denison
Kenneth Hutchinson	Denison	L. H. Story	Odebolt
Johnson Bros.	Ida Grove	Leland Waggoner	Vail
Elmer Johnson	Kiron	Lawrence Warren	Manning
		George Witt	Arcadia

Plan now to attend this sale. There will be cattle to suit everyone and at modest prices. Send now for your FREE catalog. Please mention this publication. Address

BOB NEUMEYER, Sale Mgr., DENISON, IOWA

Auct.: Ralph Kuhr — Arch Stone, Fieldman

AMES ANGUS ASSOCIATION
THIRD ANNUAL
SHOW AND SALE

MONDAY, MARCH 19, 1956

Sale at the Ames Sale Pavilion on Highway 69 at South edge of

AMES, IOWA

Show: 9:00 A.M.
Sale: 12:00 Noon

70 HEAD

30 BULLS 40 FEMALES

Many of the bulls are ready for heavy service, and others are near breeding age. Bulls for the purebred breeder or commercial man.

Females are of popular bloodlines, and many outstanding individuals are included. Families selling will include:

Witch of Endor
Blackcap Empress
Eulima
Juana Erica
Pride
Blackbird
Queen Mother
Miss Burgess
Chloe
Blackcap Jestress
Blackcap Heiress
Tillyfour Ruth
Jilt
Barbara
Blackcap
Erica
McHenry Barbara

CONSIGNORS

Ames-Knutson	Ames	O & R Farms	Scranton
Breniman, Forrest & Hazel	Brooklyn	Priebe, Berl E. & Son	Algona
Brooks, S. A. & Son	Ames	Putney, Lawrence	Gladbrook
Brown, T. N. & Son	Nichols	Robertson Bros.	Nevada
Clement Bros.	Newton	Rosengift Stock Farm	Kelley
Cook's Angus Farm, Ray Cook	Ames	Rupert, Merle	Ida Grove
Cook, Kenneth & Donald Jones	Bloomfield	Stark, Winslow, W.	Webster City
D & L Farms, Ervin Hansen	LeMars	Sundell, Clarence & Fern	Woodward
Derry, M. Vern & Son	Rippey	Sunset Knoll Farms	Ames & Bettendorf
Fuller, Phillip & Coleen	Milton	Thake, Daryl C.	State Center
Goodman, Clarence F.	Rhodes	Timbertop Angus Farm	Rippey
Hadley, R. J.	New Providence	Upstill, H. E. & Son	Ames
Hatcher, J. E. & Sons	New Virginia	West, Carnet G. & Sons	Altoona
Imlau, Wm. F.	Kensett	Williams, D. C. & Sons	Jefferson
Kaufman, G. W.	Waukee	Woods, Mary Helen	Webster City

You get more for your money at the Ames Angus Sale. Plan to be with us on March 19. Send now for your FREE catalog. Please mention this publication. Address

STEEVE BROOKS, Mgr., Rt. 3, AMES, IOWA

Auct.: Merlin Woodruff — Arch Stone, Fieldman

13TH ANNUAL
Bureau County
ANGUS

SHOW — 10:00 A. M.
SALE — 12:30 P. M.

Comfortable Heated Sale Pavilion, Fair Grounds, west edge of town on U. S. No. 6 and No. 34 at

Princeton, Illinois
Wed., March 14th

14 TOP BULLS — 43 WELL-BRED FEMALES

A choice consignment from the leading breeders of this area. The bulls include 10 ready for service and real herd bull prospects. Rich in EILEENMERE-BANDOLIER, BARDOLIER-BELL BOY and SUNBEAM breeding. The females mostly bred heifers, mated to outstanding herd sires and a few attractive open heifers. The consignors are:

Geo. Althaus & Sons of Sublette
A. R. & Geo. Althaus of LaMoille & Sublette
Doug Anderson of Wyanet
Betz and Van Eiten of Mendota
Harry Duffield of Ohio
Ehler Bros. of La Moille
Eiten Bros. of Zearing
Glenparry Farm of Mt. Carroll
Fred & Calvin Gronbach
Kenneth Hamilton of Brimfield
Wm. Henry of Cambridge
Ed. Herwig & Son of Ashton
John Jackson of Wyoming
Conrad Johnson of Princeton
H. C. Johnstone Sons of Galva
Chas. Kember of Serena
Jay Kinney of Leland
Wm. Martin & Son of Wyanet
Olson Bros. of Wyanet
Don Smith of Harmon
John Tondi & Son of Spring Valley

An excellent lot of real herd bull prospects. 43 grand heifers, displaying genuine quality, rich in best blood lines. Sired by outstanding Herd Sires and mated to wonderful Herd Bulls. The families include BLACKCAP BESSIE, BALLINDALLOCH GEORGINA, MAID OF BUMMERS, EULIMA, PRIDE PROMISE, MISS BURGESS, JUANA ERICA, JUDY BLACKCAP, ROSEMERE BARBARA, KINNIARD FANNY, McHENRY BARBARA, ERICA, QUEEN MOTHER and others. They will please. Nothing finer. Plant to attend. Ask for FREE catalog. Kindly mention this publication. Address

LYLE EITEN, Secy.-Mgr., LADD, ILLINOIS
BUREAU COUNTY ABERDEEN-ANGUS BREEDERS

Auctioneer: Hamilton James — J. E. Halsey, Fieldman

Northwest Missouri Hereford Show and Sale

Horned and Polled Herefords

Maryville, Missouri
Saturday, March 17th

At The 71 Sale Barn
SHOW: 9:30 A. M. - SALE: 12:30 P. M.

62 LOTS

40 Bulls - 22 Females

A top group of bulls, mostly ready for service, and an outstanding offering of females. Some good Polled Hereford bulls.

ZATO HEIR, PRINCE DOMINO, HELMSMAN, BACA DUKE AND LARRY DOMINO BREEDING

CONSIGNORS:

ALLEN HEREFORD FARM, New Market, Ia.
2 Summer Yearling Bulls
C. C. CAIN, Mount Ayr, Ia.
2 1955 Bull Calves
HAGAN HEREFORD FARM, Mercer, Mo.
3 Two-year-old Bulls and 1 Bred Heifer
EUGENE E. HOLMES, Worth, Mo.
1 Summer Yearling Bull
GUY JONES, Bigelow, Mo.
4 Polled 1955 Bull Calves
LUCKHARDT FARMS, Tarkio, Mo.
1 Summer Yearling Bull, 5 1955 Bull Calves, and 2 Bred Heifers
WAYNE MARTIN, Fairfax, Mo.
1 Long Yearling Bull
DOYLE MOORE & SON, Pickering, Mo.
1 Fall Yearling Bull, 5 1955 Bull Calves, and 4 Open Heifers
C. H. McREYNOLDS, Maryville, Mo.
4 1955 Polled Bull Calves
GEORGE NULL, Ravenwood, Mo.
5 Cows that should Calve by Sale Day
SLAGLE HEREFORD FARM, Ravenwood, Mo.
3 Fall Yearling Polled Bulls, and 1 Open Heifer
STEVENSON FARMS, Graham, Mo.
2 1955 Bull Calves
MAX WARDEN, Conception Jct., Mo.
2 Coming Two-year-old Bulls
ROY WEATHERLY, Bedford, Ia.
2 Long Yearling Bulls
LEO WILEY, Maitland, Mo.
2 Bull Calves, and 2 Bred Heifers

Send today for your FREE catalog. Please mention this publication. Address

DOYLE MOORE, Mgr., PICKERING, MISSOURI

J. E. Halsey, Fieldman

Buy Zato Register-of-Merit Blood At The Spring Creek Farms

Second Annual Hereford Sale

Sale at the farm on County Road E, 7 miles Northeast of

Rollo, Missouri, Saturday, March 17th

THE GET AND SERVICE OF TWO SONS (Pictured) OF REGISTER-OF-MERIT ZATO BULLS WILL BE FEATURED

18 Bulls 18 Open Heifers 14 Bred Heifers

SC ZATO HEIR M. 68th
A Son of Register-of-Merit
TR Zato Heir 27th

SC ZATO HEIR
A Son of Register-of-Merit
TR Zato Heir

ALSO OFFERING THE SERVICE OF:

SC GOLDEN SILVER 25th

By Real Silver Domino S.

We are proud of the fact that the get of SC Zato Heir has sold into 6 states. The reports of progress that the sons and daughters of SC Zato Heir are making in other herds is certainly encouraging. We would like to add your name to our list of satisfied customers, so plan to be with us March 17. Send today for your FREE catalog. Please mention this publication. Address

SPRING CREEK FARMS

Mr. and Mrs. M. B. Wallace, Jr., Owners, Rollo, Missouri

Auct.: Jewett Fulkerson — Arch Stone, Fieldman

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—16th National—

Polled Shorthorn Congress

Improve your herd with this kind of a sire.

SHOW: 9:00 A.M., March 26
SALE: 9:00 A.M., March 27
Platte County Agricultural Park

COLUMBUS, NEBR.

MON. and TUES.

MARCH 26-27, 1956

NOW IS THE TIME to join the parade to more and better POLLED SHORTHORNS to meet the increasing demand for quicker-maturing qualities, combined with naturally HORNLESS trait of this fast-growing breed.

PROUDLY WE PRESENT—

The best from the Country's top 40 Herds from 13 States.

An incomparable array of Herd-improving sires and females.

50 BULLS **50 FEMALES**

"POLLED SHORTHORN BREED FOR BEEF"

Dehorn your calves the easy way. Let Polled Shorthorns do it at no extra cost.

Add 100 pounds weight to your calves and increase milk in your cow herd.

Ask for FREE catalog, mailed only on request. Kindly mention this publication. Address

AMERICAN POLLED SHORTHORN SOCIETY

7 Dexter Park Avenue, Dept. W. — Chicago, Illinois

Banquet and Annual Meeting, Mon. Eve., Mar. 26, Headquarters Hotel Evans

Last Call!!!

11th Annual Southeast Iowa

Hereford Breeders Sale!

Horned Herefords **Polled Herefords**

At McMillan Park

MT. PLEASANT, IOWA, WED., MARCH 7, 1956

SHOW — 9:00 A. M. - SALE — 11:30 A. M.

SELLING 87 HEAD

Included will be 50 rugged bulls, nearly all ready for immediate service. Seven Polled bulls. These bulls all display type, merit, and quality. Real herd bull prospects. Bulls for the breeder, ranchman, or farmer.

Females include cows with calves and remated, and excellent bred cows and heifers—bred to outstanding sires. Also a number of open heifers and heifer calves—all rich in the top breeding of the territory. They are of foundation character.

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N. K. HARTLEY, Secy., HILLSBORO, IOWA

Auctioneer, Emerson Marting — J. E. Halsey, Fieldman

IOWA MEAT-TYPE DUROCS

STATE CONSIGNMENT SHOW AND SALE

Fair Grounds

BOONE, IOWA
WEDNESDAY, MARCH 21

SHOW: 10:00 A. M.
Wilbur Plager, Judge
SALE: 1:00 P. M.
BRED SOWS FALL GILTS
FALL BOARS

The tops selected from Iowa's best herds. Production-bred, production-tested. Similar quality to DUROC boars which made phenomenal records in the first **Iowa Boar Testing** program. (On official tests the top boars gained 2.45 and 2.47 lbs. per day on 3.01 lbs. of feed per lb. of gain and had only 1.13 and 1.27 inches of backfat at 234 and 241 lbs.) Cull inferior breeding stock. Buy improved MEAT-TYPE breeding animals now when prices are low. Write for FREE catalog. Kindly mention this publication. Address

CLARENCE BUNDY, Secy., 1319 Clark St., AMES, IOWA

IOWA DUROC BREEDERS ASSOCIATION

Warren Louden, President

Our 72nd Sale

KNABE HAMPSHIRES

Sale at 1:00 P. M., in our own Sale Barn

Nehawka, Nebr., Thursday, March 15

40 BRED SOWS AND GILTS—To farrow in March and April. Bred to UNIFIER, Junior and Reserve Grand Champion of Nebraska in 1955, and to SPECIAL JR., a son of the great old Knabe's Special. UNIFIER is a son of Great Western 3d, 1955 Grand Champion boar at Illinois, and is one of the biggest, and heaviest boned boars of the breed for his age. You will like his extra length.
25 FALL BOARS—By UNIFIER, DAWN PATROL, and SPECIAL JR. A very outstanding group of fall boars, the tops from 300 head.
15 FALL GILTS—of similar breeding and quality.

Send today for your FREE catalog. Please mention this publication. Address

HARRY M. KNABE & SON, Owners, NEHAWKA, NEBRASKA

Auct.: Keith Goode

50TH ANNIVERSARY SALE

Ralph Painter & Sons

Monmouth, Illinois

Polled Herefords

In the comfortable heated Jennings Sale Pavilion, located east of Keokuk, Iowa, on Rt. 136 and 67, at

MACOMB, ILLINOIS

Saturday, March 24

54 LOTS

20 Top Bulls
34 Choice Females

50 years of continuous business in Polled Herefords is an achievement reached by very few. Some of the best of bloodlines are being offered in this sale.

The get or service of these outstanding sires sell:

Perfection Domino
Battle Domino 56th
Elation WHR
Larry Mixer 2nd
Domestic Mischief 105th

And some other good sires. Some of the best in bloodlines is being offered in this sale.

It is the most opportune time of the year to make a selection of top bull. This large number gives you a fine choice. The females include both bred and open heifers; young cattle that will work herd improvement for the people who buy them.

Mr. Ralph Painter was one of the men who **pioneered** the **Polled Herefords.** He continuously helped to improve the breed to where it is today. If you are interested in the breed attend this sale and pay your tribute to him. Write for the FREE catalog. Please mention this publication. Address:

ERNEST PAINTER, Sale Mgr., LA HARPE, ILL.

16TH ANNUAL

Page County Angus Association Sale

Monday, March 12

Sale at 1:00 P. M. in the Youth Barn at east edge of

Clarinda, Iowa

Come early and see the show to be held the morning of the sale

— SELLING 87 HEAD —

34 BULLS
1 to 5 years of age

53 FEMALES
Open heifers, bred heifers, cows with calves at side

FAMILIES:
JILT, BLACKCAP, McHENRY BARBARA, JUANA ERICA, HARTLEY ELINE, MISS BURGESS, BLACKCAP EFFIE, BANDOLIER, BLACKBIRD, QUEEN MOTHER, McHENRY BLACKCAP, ELBA, DUTCHESS

CONSIGNORS

Angus Ridge Farm, Jess Hopple, Hopkins, Mo.
Arlavon Farm, Art & Lavon Johnston, Cain, Ia.
Brown, Glenn, Gravity, Ia.
Cloverly Stock Farms, Maurice O'Connor, Maloy, Ia.
Cold Springs Angus, Lawrence Varley, Shenandoah, Ia.
Coleman Estate, Paul Flowers Manager, Corning, Ia.
Cordell, Otis, Sheridan, Mo.
DeMott, Albert & Sons, Bedford, Ia.
Elburn Farm, E. L. Osburn & Son, Bedford, Ia.
Har Len Angus Farms, Jack Lenz & Dr. Harmon, Pacific Junction, Ia.
Herzberg, A. B. & Son, Clarinda, Ia.
Idea Farms, Alvin Sunderman, Clarinda, Ia.
Lavista Angus Farms, Wilber E. Lynch & Sons, Maloy, Ia.
Mileaway Farms, Orie & Neva Steeve, Clarinda, Ia.
Pagemere Angus Farms, Ed Falk & Sons Division, Clarinda, Ia.
Pagemere Angus Farms, Ben Goecker Division, Clarinda, Ia.
Pagemere Angus Farms, Jake Stimson Division, Clarinda, Ia.
Rhoades, Edward & Son, Essex, Ia.
Russells Angus Acres, H. K. Russell, Bedford, Ia.
Schilb, C. A., Clarinda, Ia.
Steeve, O. H. & Son, Clarinda, Ia.
Sunrise Angus Farm, A. L. Horel & Son, Blanchard, Ia.
Terrace View Farm, Arthur Wainright, Clarinda, Ia.
Weir, Guy, Bedford, Ia.
White, O. G. & Son, Villisca, Ia.

Plan now to attend. Send today for your FREE catalog. Please mention this publication. Address

LEROY S. MILLER, Secy., 1102 West Thomas, SHENANDOAH, IOWA

PAGE COUNTY ABERDEEN-ANGUS ASSOCIATION

Auct.: Johnston & Morris — Arch Stone, Fieldman

IOWA STATE HOLSTEIN BREEDERS ASSOCIATION

ANNUAL SPRING SALE

Dairy Cattle Congress Pavilion

WATERLOO, IOWA

SATURDAY, MARCH 17, 1956

Sale starts 12:00 Noon Sharp

70 REGISTERED HOLSTEINS

4-H and FFA Heifers will sell first

20 Young Cows, fresh or springing, 10 whose records average over **500** lbs. fat.
16 Two-year old Heifers, all springing, all from dams with **400** to **806** lbs. fat.
7 Service Age Bulls, dams from **502** to **828** lbs. fat.
28 Heifer Calves, especially selected for **4-H** and **FFA** projects or for foundation purposes. **NOTE:** The usual **20%** discount will be given to all properly enrolled **4-H** and **FFA** members.

This offering represents the highest average production for cows selling or for the dams of either heifers or bulls of any previous Iowa State Sale. Every animal with up-to-date health papers. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

BILL MAYNARD, Corresponding Secy., 1930 Hawthorne, Ave., Waterloo, Ia.

IOWA HOLSTEIN BREEDERS ASSOCIATION, INC.

Art Gerlach, Chairman Sale Committee — Lunch available on grounds

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ELBURNMERE 24th 131518

Son of HOMEPLACE EILEENMERE 26th and from a Tolan bred cow will sell at the

Page County Angus Association Sale

MARCH 12, at CLARINDA, IOWA

One daughter and two sons sell. One of the bulls is said to be the best son he ever sired. Be sure and see this tried and proven sire.

ELBURN FARM, BEDFORD, IOWA

OSKALOOSA OPPORTUNITY SALE

POLLED HEREFORD ASSOCIATION

SHOW — 10:30 A. M. — THURSDAY, APRIL 12
SALE — 10:30 A. M. — FRIDAY, APRIL 13

Southern Iowa Fair Grounds

Oskaloosa, Iowa, April 12-13, 1956

108 HEAD

74 TOP BULLS — 34 CHOICE FEMALES
35 HEAD IN GREAT FUTURITY SHOW

Perhaps the best offering we have ever presented for our 12th ANNUAL SHOW AND SALE, selected with care from leading herds in this area. Good bulls, well-grown, with type, quality and merit, they will please our best cattlemen. Females include cows with calves, bred cows and heifers, mated to top herd sires and attractive open heifers. (More details next issue.) Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

CALVIN CRUZEN, Sale Mgr., NEW SHARON, IOWA

Auctioneers: Freddie Chandler & Guy Pettit — Halsey, Sherlock & Stone, Fieldmen

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6th Semi-Annual Sale

Hawkeye Downs Shorthorn!

SHOW: 9:30 A. M. SALE: 12:45 P. M.

Judge: R. E. Coverdale

Hawkeye Downs Sale Pavilion

CEDAR RAPIDS, IOWA

FRIDAY, MARCH 16

22 BULLS - 23 FEMALES

The bulls include one tried sire, others from 12 to 19 months, most ready for service. Good, rugged bulls, strong heads, low-set, thick-fleshed, herd bull prospects. The females, 5 cows with calves and rebred, 6 bred females, 3 open heifers and 9 choice 1955 heifers, ideal for 4-H and F.F.A. Club work in 1956. Offering sired by leading sires, rich in top blood lines. The consignors are:

A. J. BLAKELY & SON, Grinnell
LLOYD BURR & SON, Lone Tree
WM. BUSCHING, Olin
EVERGREEN FARM, Columbus Jct.
F. E. HORR & SON, Stanwood
DONALD K. JOHNSON, Oxford
E. W. MAURER & SONS, Elgin
ANGUS MOORE & SON, Mt. Pleasant
H. K. OWENS, Homestead
PENNINGROTH BROS., Wellman
CARLTON REED, Bellevue
L. & A. T. ROBINSON, Masonville
OTIS ROTHLISBERGER, Elgin
EVERETT SCARFF, Wayland
URICE BROS., Vinton
JOHN C. WAGENER, Bellevue
CARL WHITMAN, Lisbon
WM. WIEBKE & SON, Greene

With the swing to more grassland farming, be prepared with better livestock, an ide[illegible]e to make admirable and profitable purchases. Come early and see the show and make wise investments. Ask now for FREE catalog. Kindly mention this publication. Address

EARL S. GIRTON, Box 452-W, VINTON, IOWA

Auctioneer: J. E. Halsey

FEED BP Blended Protein

FEED of CHAMPIONS

FOR MARKET OR SHOW RING

First in Leadership! First in Quality! First in Championships!

For More Facts About BP Feeds And Where To Buy Them . . WRITE: PROTEIN BLENDERS, INC., Iowa City, Ia.

ABERDEEN ANGUS

Angus heifers make SUPERIOR MOTHERS

Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.

ABERDEEN-ANGUS

We have one 2 year old, one yearling bull. Two strapping Bull calves a year old in April, sired by PRINCE JUAN OF RED GATE, Reserve Grand Champion at New Jersey State Fair. He is a son of Imp. PRINCE OF ROWLEY. Two bulls good enough to stand ahead of the best credible herds. Write of come see them. Phone. Audubon. 903 J 2.
SILVER LANE FARM, Rt. 1, GRAY, IA.

Have some real good bulls by Black Knight 75th of AV and Eileenmere W 484th. They are short legged, thick, with exceptionally good heads.

Also a few heifers from popular families.

Ben G. Studer, Wesley, Iowa — BLACK KNIGHT 75th of AV

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. R. by Prince Quality of Sunbeam, BAONAS PRINCE ERIC 21st by BLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S.W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

Brookdale Angus Farm

"The Home of The Beldoliers"

Choice rugged bulls now offered, ready for service. Herd Bulls: PRINCE BARDOLIER, and BARON OF BORDULAC by General of Bordulac. Cow herd rich in BARDOLIER breeding, the blood lines producing top cattle. Visit farm any time.

John W. Auman & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

Mark the date MARCH 15th

WINTONIER OF DEN MOR

Plan to attend
Eastern Iowa Angus Sale
Fair Grounds
DAVENPORT, IOWA

We are consigning:

A Good Bull ready for service.

A Yearling Bull, son of WINTONIER OF DEN-MAR.

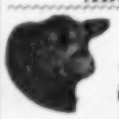
* A MIGNONNE heifer, open daughter of WINTONIER OF DEN-MAR.
* A bred heifer, sale in calf of our popular show bull who's a son of WINTONIER OF DEN-MAR.

EILTONIER ANGUS FARMS, TIPTON, IOWA

When writing to advertisers please mention that you read their ad in Wallaces' Farmer and Iowa Homestead . . .

FEED BOW-KEY FEED
DES MOINES . . . . . IOWA

ABERDEEN ANGUS



HOMELAND

Now offering at attractive prices 15 of our 1954 ANGUS heifers, ready to breed. All popular families, by our proven Herd Bulls, headed by R.L.S. PRINCE ERIC 18th. Only a few yearling bulls left, but they are TOPS. Visitors welcome. Write or phone 12F626.

MEIER BROTHERS
Melbourne, Iowa

KATHMAR ANGUS FARMS

See our consignment at BEEFLAND SALE
DAVENPORT, IOWA, MARCH 15, 1956
1 top Bull, 7 choice Females
Type and breeding that will please.

Herd Bulls:
BARDOLIER 40th of WILTON
BARDOLIER 7th of WILTON
from most sought after families.

DR. C. E. BLOCK
718 1st Natl. Bank Bldg. Davenport, Iowa

CHOICE ANGUS

BULLS FOR SALE
Sons of
EILEENMERE W. B.
Grandson of Eileenmere 487th and Eileenmere Eric by EILEENMERE W. B. They are 12 to 24 months old. Ready for service. Herd bull prospects for Breeder or Farmer. They will sire top cattle. Visit farm any time.

I. E. KEMP MARION, IOWA

FOR SALE

FARNAN EILEENMERE 600th

A Top Proven 4-year-old sire, a grandson of Eileenmere 487th, and formerly the Bill Roche herd sire.

Also a few choice heifers and a very good selection of bulls, ready for service, and a few younger ones.

HALL'S HILL ANGUS
JOSEPH HALL ALBION, IOWA
Ph. Marshalltown 3061

HEREFORDS

CHOICE HEREFORD BULLS

10 to 30 Months Old

Sons of PEARSON DUKE 46th. They are Beefy Type Bulls, the kind everyone is looking for. Come and see. Visitors always welcome.

CHARLES AMOS & SONS
Indianola, Iowa

SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for Bangs. Sired by TH LARRY ONWARD 25th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.
JOSEPH A. SKOW WESLEY, IOWA

POLLED HEREFORDS

SEITSINGER

POLLED HEREFORD SALE

SATURDAY, MARCH 31

In clean, modern Sale Pavilion at

KALONA, IOWA

SELLING 50 HEAD
18 Bulls - - 32 Females

An outstanding offering, all but two or three of the cows, bred by us. Watch the March 17 issue of this publication for complete details. Send today for your FREE catalog. Please mention this publication. Address

M. J. SEITSINGER KINROSS, IOWA

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by BATTLE MIXER, P. ANXIETY ASTER. Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

Fairview Farms

POLLED HEREFORDS

20 choice Bulls from 14 to 20 months old. GOLDMINE, PLATO and CHOICE DOMINO breeding.

Farm 2 miles N. 1½ E. of
GILBERT AHRENSTORFF
LAKE PARK, IOWA

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d, ALF. REAL ONWARD 16th, REGULATOR DOMINO 16th and CSF IOWA CHOICE 10th. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

POLLED HEREFORDS

POLLED HEREFORDS

Good growthy Polled Hereford bulls and females sired by ROYAL DOMINO 17th and MISCHIEF DOMINO 14th for sale.

ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

SHORTHORNS

L. R. Aten, Estate

Shorthorn Dispersal

Located 9 miles east on Hy. No. 2

LEON, IOWA, THUR., MAR. 8

47 HEAD

24 Breeding Cows and heifers, mated to Herd sire. They are 2 years old and older. 10 yearling heifers. One yearling bull. Registered Certificates give breeding from Iowa's leading herds. 12 young calves, not registered. COME! Ask for FREE information.

L. R. ATEN, Estate, LEON, IA.

KILLEARN MAJOR

MODERN TYPE SHORTHORNS

Buy the blood of champions

N-BAR-PRINCE
International Grand Champion

KILLEARN MAJOR
The sire of champions in the strongest competition. Quality breeding stock available.

W. C. ANDERSON & SON, West Liberty, Iowa

POLLED SHORTHORNS

SHADYBROOK FARMS
Production-Tested POLLED SHORTHORNS
The only profitable kind
Always choice Bulls for sale.

BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

HILL BROOK FARM

POLLED SHORTHORN bulls, serviceable age with size and quality, by V. V. ROYAL LEADER 10th and SHADYBROOK COMMAND 53d. Priced right.

OTTO F. SCHRUNK & SONS, MAPLETON, IA.

POLLED SHORTHORN BULLS

10 choice bulls for sale, 6 to 20 months old by HIGHLAND EXCELLENCE and CEDARVALE SENSATION. REASONABLE.

S. B. HUDSON & SONS KNOXVILLE, IOWA

DAIRY CATTLE

NOTICE—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which much be considered when buying.

LIVESTOCK FOR SALE

Saddle Horses—young registered.

American Saddle mares.

Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

HOLSTEINS & GUERNSEYS

Choice dairy heifers from 350 to 900 pounds. HOLSTEINS 13 cents per pound and GUERNSEYS 12 cents per pound. All Heifers sold by the pound. Also Springing cows and heifers. Write or call

LINK BROTHERS, INC., MINONG, WISCONSIN

SELECTED DAIRY HEIFERS

AND CALVES

from nationally known America's Dairyland sold on approval. Write for free information.

GREENWALD BROTHERS
Oakland Dairy Farms, WF, Mukwonago, Wisconsin

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
J. M. McFarland, Watertown, Wisconsin

WISCONSIN HOLSTEINS AND GUERNSEYS

CHOICE COWS, HEIFERS AND CALVES
Delivered on approval

JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

WISCONSIN'S GOOD QUALITY

HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck.

ROSS BLOTT, Box 527, MUKWONAGO, WIS.

JERSEYS

GOLDEN SUNSET JERSEYS

Wonderful Bull calf, Sept. 6, 1955; Sire's dam's record 16,365M, 755F, his 3 nearest dams, 13,365M, 704F, 5 or 7 nearest dams 12,200M, 734F. Next sire's 4 nearest dams 13,800M, 757F. Next sire, full sister 12,278M, 617F, sire 3 years and his tested dam 12,286M, 672F. Price $200.00.

ENNIS JERSEY FARM FESTUS, MISSOURI

SLOW DOWN AND LIVE

Livestock News

The **Hampshire** sale of Harvey C. Larson, Atlantic, Iowa, Feb. 16 was very successful. The top sow was $310 and was bought by Fred Fuller, Belle Plaine, Iowa. The top fall boar sold for $85 to Walter Burcham, Avoca, Iowa. The top fall gilt was $75 paid by Treasure Acres, Blairsburg, Iowa. The 51 head averaged $92.26 with six fall boars at $52.11 and 14 fall gilts at $35 each.

The 43rd **Shorthorn Interstate Breeders Association** show and sale at Sioux City, Iowa, Feb. 13 and 14 attracted a nice sized crowd.

The 46 bulls averaged $255 with a top price of $685 paid twice for the champion and reserve. The champion was lot five, Favorite Consul, consigned by Held Bros., Hinton, Iowa. The reserve was lot 19, Lane View Duplicator 9th, entered by Geo. Struve & Sons, Manning, Iowa. The buyer was Robert Knopp, Miller, So. Dak.

Held Brothers also had the champion female, lot 62, Orange Blossom 3d. She sold for $400 to Raymond Held, Bowden, No. Dak. The same buyer took lot 61, another Held Brothers entry, for $300.

Struves' heifer lot 64, Lane View Clara 6th, sold for $330. She was second high female and went to Otto Thiede & Sons, Burton, Nebr. Their lot 60 heifer sold for $300 to Duea Lunstra, Beaver Creek, Minn. Thiedes showed the reserve champion female with lot 78, Mary Ann of Lancaster 90th. A May '55 heifer, she sold for $170 to Dr. Harry Johnson, Lennox, So. Dak.

The sale averaged $231 on 72 lots, and the 26 females averaged $188.

Sale manager was F. E. Jackson. Auctioneer was J. E. Halsey.

The 41st annual **Shorthorn Spring** show and sale held at Omaha, Feb. 15, averaged $312 on 56 bulls. Nine females averaged $176, and the 65 lots $294.

The top of the sale was $1,000 paid by Wilfred and Ralph Engle, Grainfield, Kan., for lot 31, LF Gambler 3d, entered by Lomas Farms, Villisca, Iowa. The champion bull was lot 37, Mardale Monarch 55th, consigned by Ernest H. Ritzlaff & Sons, Walton, Nebr. He sold for $875 to Frank Dykins, Sentinel Butte, No. Dak. The reserve champion was lot 68, Talisman 17, entered by Johnson Brothers, Atlantic, Iowa. He sold for $480 to Dale Olson, Leonardville, Kan.

The female championship was won by lot 76, D. M. Golden Chain from Dan and W. G. McCobbin, Elkhorn, Nebr. She was bid off by George Lighthall, Keldron, So. Dak., for $239. The reserve was lot 75, Rosewood 14th, entered by Alvey Schoenherr, Guthrie Center, Iowa. She sold for $250 to R. A. Englhorn, Menno, So. Dak.

The sale was managed by Mervin F. Aergerter. The auctioneers were J. E. Halsey and C. D. Swaffar.

The Circle M Ranch **Polled Hereford** 15th annual production sale held at Senatobia, Miss., Feb. 13 sold for another high average.

19 bulls averaged $6,596
31 females averaged $2,777
50 head averaged $4,228

The bull offering was one of the finest lots ever offered. They were a uniform group all the way down the line. The top was the lot three bull, CMR Mischief Domino 131st, son of CMR Rollo Domino, 12th. He sold for $26,450 to Parker Ranch, Kamuela, Hawaii.

The high female was lot 29, CMR Larrystella 8th, daughter of CMR Larry Domino. Her buyer was C. E. Knowlton, Bellefontaine, Ohio. The offering sold to several states.

HOLSTEINS

HOLSTEINS FOR SALE

MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.

GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

HIGH GRADE HOLSTEINS

Choice cows and heifers, springers and open heifers. Phone No. 64.

R. C. JONES, WEST CONCORD, MINN.

Polled Milking Shorthorns

Polled Milking Shorthorns

Choice registered, red and roan BULL Calves from 2 to 9 months old. Send for FREE photos and prices. Very reasonable.

SIG OTDOERFER, Route 3
STRAWBERRY POINT, IOWA

NORTHEAST IOWA ANGUS BREEDERS SALE

In Cedar Falls Sales Co. Barn, ¼ mi. South of City Limits on Main Street Extended.

CEDAR FALLS, IOWA, TUESDAY, MARCH 27

54 HEAD — 10 Bulls - 44 Females

An offering of 10 bulls that will please the breeders and farmers looking for a new herd bull. Well-bred bulls with good substance and scale. Breeding that will meet your approval.

44 Females—5 cows with calves . . . 21 bred heifers . . . 18 open heifers, from popular families that are producing some of our best cattle. There are Blackcap Bessie, Witch of Endors, Coquettes, Telan Blackcap, Jilt, Georgina, Miss Burgess and others.

Write today for the FREE catalog and please mention this publication. (More details next issue.) Address:

BOB ROBINSON, Secy. & Sale Mgr., MASONVILLE, IOWA

LIVESTOCK NEWS

The 41st annual **Polled Shorthorn** show and sale, Omaha, Nebr., Feb. 26 under the able direction of Merv. F. Aegerter drew a bad day. The sleet that started falling over a wide area about daybreak, cut off the attendance. The results follow:

81 bulls averaged $250
29 females averaged $216
110 lots averaged $240

The awards were made in a capable manner by A. G. Pickett, Topeka, Kan.

The champion bull, Brampton Gloster 24th, shown by Elvin E. Britt & Sons, sold for $1,085 to R. R. Johnson, Dancey, Ala. Reserve champion bull, GF Stalwart Leader 2nd, from Gallatin Farms, sold for $500 to Harry Schardt, Hebron, Nebr. Fortune Juggler 2d from Gallatin Farms, went at $500 to Louis Kennedy & Sons, Lewis, Iowa. Strowold Marshall Goods 2d, shown by Wayne A. Carr, was second top bull at $590 and was purchased by Silver Saddle Ranch, Reno, Nev. Juggler's Villager owned by Lou Laughlin sold for $545 to Alvin Blass, Rockwell City, Iowa.

The champion female shown by Lou Laughlin was Golden Lady 114th and went to Wm. F. Werehahn, Pawnee, Rock, Kan. Reserve champion Jo Ann 4th from Wallace Bros. went at $355 to Wm. F. Werehahan. The second top female, Golden Lady 113th, another Lou Laughlin entry, sold for $360 to Geo. Lighthall, Keldron, So. Dak. Auctioneers were J. E. Halsey and C. D. Swaffar.

A fairly large crowd of leading **Tamworth** breeders and commercial men from a four state area turned out at the Charles Beermann and Lee Winther Tamworth bred sow and gilt sale at Dakota City, Nebr., Feb. 9. Demand at reasonable prices was strong thruout the auction, and the 37 head selling averaged $130.

Top of the auction was $182.50 paid by Herman Bromm, Tekemah, Nebr., for Tam O'Lass 1st, a daughter of Popnjac bred to Oak Hill Rex 3d. Dean Berkler, Lytton, Iowa, paid $175 for Ho Kay Violet 4th by Straight Line King 2d. Clair Wright, Moville, Iowa, paid the same price for Mainline Rose by Mainline.

Col. Dick Kane cried the sale.

The Roy V. Copp & Son, Glidden, Iowa, **Chester White** sale at Carroll, Iowa, Feb. 9 attracted a large attendance. Mr. Copp has produced high-class Chesters for 35 years. The top was lot 47, a March gilt by Copp's Goal, winner of "Premier Sire" award at 1955 Iowa State Fair, and bred for a March litter to Tip Top's Natural 2nd. She sold for $165 to C. A. Folts, York, Nebr. Lot 13 sold for $135 to Seth Johnson & Son, Kiron, Iowa. Lot five went at $115 to Arnold Bros., Manning, Iowa. The 55 lots averaged $89. Auctioneer was J. E. Halsey.

The **Iowa Poland China** show and sale at Cedar Rapids, Iowa, Feb. 11, drew a large attendance. The champion and top sow sold for $360 to Howard Riley, Charlotte, Mich. The next top was $210 paid by Oscar W. Larson & Sons, Webster City, Iowa. The champion boar, from Helgens Bros., sold for $115 to Carl Lippold, Jr., LeClair, Iowa. Morgan & Morgan, Harlan, Iowa, paid $100 for a top pig. The six boars averaged $81, and bred sows averaged $91.

The Dr. J. M. Jones, Milford, Iowa, **Hampshire** dispersion at Spencer, Iowa, Feb. 11, was successful. The herd boar, O.A.M.C. Prescription C1, went at $470 to T. R. Haynes, Nemaha, Nebr. Top sow sold for $185 to Fritz Freyholtz, Fenton, Iowa. The 86 head averaged $97.42.

A near capacity crowd was in attendance at the **Des Moines River Valley Angus** sale at Boone, Iowa, Feb. 14. Bidding was slow, and there were some real bargains, especially on individuals of average quality and breeding. Averages were as follows:

39 bulls averaged $278
74 females averaged $256
113 lots averaged $264

Arnold Angus Farms, Spencer, Iowa, paid $1,175, the sale's top price, for Blackbird Pearl E & B, a daughter of Black Conquestor consigned by Enoch and Bob Johnson, Arthur, Iowa. She was champion female of the pre-sale show. Blackbird Progress E & B 17th, a daughter of Prince E & B 259th from the Enoch and Bob Johnson consignment, brought $1,050, the bid of Howard Hansen, Rowan, Iowa. D. C. Williams & Sons, Jefferson, Iowa, brought out the reserve champion female, Eileen Belinda of WAF, selling to Ray Martin, Van Horn, Iowa, at $500.

Elda Little and Son, Somers, Iowa, consigned the champion and top selling bull, Black Prince L54th, a June '54 son of Prince Zar Bardolier selling to Arnold L. Stringer, Somers, Iowa, at $800. Roscoe Diggins, State Center, Iowa, paid $575 for Bandolier 7th of O & R, a son of Bandolier of O & R consigned by O & R Farms, Scranton, Iowa. Revolution RHS 9th, the reserve champion bull consigned by Rex Harmon & Sons, Creston, Iowa, brought $355, selling to K. Andrews, Madrid, Iowa.

Cols. Roy Johnston and Jim Morris cried the sale.

Too many permanent pastures are grazed too long without renovation.

Coming Livestock Sales

ANGUS

March 6—Chanton Valley Breeders, Kirksville, Mo. Dave Whiteside, Secy.
March 7—Willard Pyle, (Dispersion) Schaller, Iowa. Sale at Ida Grove, Iowa.
March 7—Sullivan County Angus Breeders, Milan, Mo. James Brown, Jr., Secy., Newtown, Mo.
March 8—Northeast Missouri Breeders, Memphis, Mo. Paul Van Meter, Mgr., Queen City, Mo.
March 12—Page County Breeders Assn., Clarinda, Iowa. LeRoy Miller, Sale Mgr., Shenandoah, Iowa.
March 13—Denison Angus Breeders, Denison, Iowa. Bob Newmeyer, Secy., 922 First Ave. S., Denison, Iowa.
March 14—Bureau County Angus Breeders, Princeton, Ill. Lyle Eiten, Sale Mgr., Ladd, Ill.
March 15—Beefland Angus Breeders Assn., Davenport, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.
March 19—Ames Aberdeen-Angus Assn. show and sale, Ames, Iowa. Stephen A. Brooks, Sale Mgr., R. 3, Ames, Iowa.
Mar. 24—26th Annual sale Mercer County Breeders, Aledo, Illinois. Hugh McWhorter, Secy.
Mar. 26—Marion County Breeders, Knoxville, Iowa. Herbert Cline, Sale Mgr., Bussey, Iowa.
March 27—Harken Farms, Osceola, Iowa.
March 27—Northeast Iowa Angus Breeders, Cedar Falls, Iowa. Bob Robinson, Sale Mgr., Mason-ville, Iowa.
March 29—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
April 6-7—W. D. Ernst Dispersion, Avilla, Mo.
April 10—Poweshiek County Angus Breeders, Grinnell, Iowa. Burdett Farley, Secy., Malcom, Iowa.
April 16—Rose & McCrea, Maysville, Mo.
Apr. 17—Clark Angus Farms, Rea, Mo.
April 18—South Central Iowa Breeders, Oskaloosa, Iowa. Clyde Hanna, Sale Mgr., Oskaloosa, Iowa.
April 19—Wayne County Breeders, Corydon, Iowa. Tom Lockridge, Mgr., Russell, Iowa.
Apr. 20—W. C. McLean, Bellview Farm, (Dispersion) Braddyville, Iowa. Sale at Charlton, Iowa.
April 21—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
April 23—Iowa Southern Angus Assn., Osceola, Iowa. Lyle Miller, Secy.
April 24—Warren County Angus Breeders, Indianola, Iowa. Glen Felton, Secy.
April 25—Hawkeye Angus Breeders, Cedar Rapids Iowa.
April 28—David and Margaret Miller, Sun-Up Farms, Smithville, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
May 25—Four County Breeders, Stuart, Iowa. W. W. Herbelman, Secy., Dexter, Iowa.
May 26—Mills & Finkbine Dispersion, Webb, Iowa, and Jess Thurmond Production, Omaha, Nebr. Sale at Cherokee, Iowa, Maurice Boney, Sale Mgr., Box 740, Storm Lake, Iowa.
May 28—Tallcorn Breeders Assn., Marshalltown, Iowa. Clair G. Mason, Mgr., Box 243.
June 4—El Jon Farms, Rose Hill, Iowa.
June 5—Grover Mortz Dispersion, Kirksville, Mo.
June 5—North Central Iowa Breeders show and sale, Mason City, Iowa. H. C. Miller, Secy., Hampton, Iowa.

HEREFORDS

March 7—Southeast Iowa Hereford Breeders Assn., Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
March 10—Adel Hereford sale, Adel, Iowa. Albert DeWitt, Sale Mgr., Peru, Iowa.
March 12—Iowa Hereford Cattle Breeders Assn., Sioux City, Iowa. Henry Moore, Scy., Cylinedor, Iowa.
March 15—Bones Hereford Ranch, Parker, So. Dak.
Mar. 17—Spring Creek Farm, Rollo, Mo. Mr. and Mrs. Mahlon B. Wallace, Jr., owners. Jewett Fulherson, Sale Mgr., Liberty, Mo.
March 17—Northwest Missouri Breeders, Maryville, Mo. Doyle Moore, Secy., Pickering, Mo.
March 29—Southwest Wisconsin Breeders Assn., Lancaster, Wisc. Clive Brown, Secy., Bloomington Wisc.
April 3—Blue Grass Hereford Assn., Princeton, Mo. Norma Gay Young, Secy.
April 16—McCreery Hereford Farms, Mason City, Ill.
April 18—Select Hereford sale, Orient, Iowa. Harold Killion and Wayne Wilson, Sale Mgrs., Greenfield, Iowa.
April 19—Northeast Missouri Hereford Breeders, Memphis, Mo. Vernon Winkler, Secy.
April 26—Creston Hereford Breeders, Creston, Iowa. Lloyd H. Woods, Sale Mgr., Orient, Iowa.
April 28—Bones Hereford Ranch, Parker, So. Dak.
May 2—Northeast Iowa Association, Postville, Iowa. Byron Boll, Sale Mgr., Wadena, Iowa.
June 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Mgr.

POLLED HEREFORDS

March 24—Ralph Painter & Sons, La Harpe, Ill. (Golden Anniversary sale), Macomb, Ill. Ernest Painter, Sale Mgr., La Harpe, Ill.
March 31—M. J. Seitsinger, Kinmos, Iowa. Sale at Kalona, Iowa.
April 12-13—Southern Iowa Polled Hereford Assn., show and sale, Oskaloosa, Iowa. Calvin Cruzen, Sale Mgr., New Sharon, Iowa.
May 1—Ginsbarch Polled Herefords, Dell Rapids, So. Dak.
Mar. 2—Rasmussen Stock Farm, Balaton, Minn.
June 2—Wisconsin State Polled Hereford show and sale, Lancaster, Wis. W. M. Hanley, Secy., Key's Ave., Madison, Wis.
June 9—John & Alice Campbell, (Gold Mine sale) Tiffin, Iowa.
June 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Mgr.

SHORTHORNS

Mar. 5-6—Iowa Royal Show and Sale, Des Moines, Iowa. Albert J. Hamann, Sale Mgr. Rock Rapids, Iowa.
March 8—L. R. Aten, Estate, Lodi, Iowa.
March 16—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
March 24—Dewar Bros. Reduction sale, Cherokee, Iowa.
March 26—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. Second St.
April 5—Southwest Iowa Shorthorn Breeders, Red Oak, Iowa. Art Windom, Secy., Villisca, Iowa.
April 9—Marion County Breeders, Knoxville, Iowa. Merill L. Roberts, Secy., Pleasantville, Iowa.
April 21—Central States 14th Semi-Annual show and sale, Oskaloosa, Iowa. C. E. Stewart, Sale Mgr., Rose Hill, Iowa.
April 30—H. N. Harrison, (Dispersion) Washta, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
May 17—North Central Iowa show and sale, Mason City, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
June 12—Minnesota State show and sale, Blue Earth, Minn. Norman T. Findahl, Secy., Waterville, Minn.

POLLED SHORTHORNS

Mar. 10—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Mgr. Box 452, Vinton, Iowa.
March 17—Illinois State Polled Shorthorn sale, Normal, Ill. Hal Longley, Mgr., Aurora, Ill.
March 26-27—National Polled Congress, Columbus, Nebr.
Mar. 28—S. B. Hudson & Son, Knoxville, Iowa.
April 17—Iowa State show and sale, Ames, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.

HOG RAISERS

If you have never tried Bolson's Early Weaner and Bolson's 18% High Energy Pig Starter, test feed it this year against what you are now feeding.

L. C. BOLSON CO. DECORAH, IOWA A NAME YOU CAN TRUST IN FEEDS!

DAIRY CATTLE

March 7—Crestwood Farm, (Guernseys) Austin, Minn. Carl E. Kehret, Sale Mgr.
March 16—J. N. Martin, (Jrsey Dispersal) New Providence, Iowa. Ivan N. Gates, Sale Mgr. Iterloo, Iowa. Wm. Maynard, Co.-Secy., 1930 Hawthorne Ave., Waterloo, Iowa.
March 17—Iowa State Holstein Breeders sale, Wa-

DUROCS

March 21—Iowa Duroc Breeders Assn., Boone, Iowa. C. E. Bundy, Secy., 1319 Clark Ave., Ames, Iowa.

HAMPSHIRES

March 15—Harry Knabe & Son, Nehawka, Nebr.
April 5—(Night sale) Iowa State Breeders, Ankeny, Iowa. Emery Riemenschneider, Secy., Pierson, Iowa.
April 7—(Night sale) Cecil Wilson, Lenox, Iowa.
April 12—(Night sale) Dean Snyder, Good Hope, Ill.

LANDRACE—YORKSHIRE

March 10—Yalehurst Farms, Peoria, Ill.

PERCHERONS AND BELGIANS

March 6-7—Spring Stallion show and sale, Indianapolis, Ind. C. O. House, Sale Mgr., Arcadia, Ind.

HORSES

March 27-28—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schnecklath, R. 3, Davenport, Iowa.

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THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
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MEAT-TYPE
Sale in Raty's Barn, 7 miles north of Peoria, on Rt. 29
PEORIA, ILL., SATURDAY, MAR. 10
Starting at 12:00 Noon
100 BRED GILTS AND BOARS
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40 REGISTERED YORKSHIRES
Raise LANDRACE or YORKSHIRES to produce Market-Topping MEAT-TYPE hogs. Featuring LANDRACE Gilts, bred to our Imported Swedish LANDRACE boar and YORKSHIRE gilts of IMPORTED ENGLISH BREEDING. LANDRACE and YORKSHIRE boars ready for service. COME! Ask for FREE catalog. Kindly mention this publication. Address
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HYBRID HOGS
Meat Type Hybrid — Get the Full Story
1. Save 20 lbs. feed per 100 lbs. gain.
2. Raise 1-2 more pigs per litter.
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HERE'S PROOF: Over 2 million pigs sired by Wilson Hybrid Boars—800 customers—8 years continuous increase in sales. Vaccinated for Cholera and Erysipelas, blood tested. Guaranteed breeders. Free delivery. Write for free literature. Dealership available.
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1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
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Iowa State College foundation stock since 1948
FOR IMMEDIATE SALE
Weanling pigs, boars, gilts, also bred sows and gilts. SIRED BY: J. H. Landlord of Lady Gillebo and Spangboda breeding, imported in dam, also Iowa State College and USDA (Beltsville) blood lines.
HAROLD F. MEARS
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AMERICAN LANDRACE
Purebred Boars, excellent breeding, type desired for crossbred litters that mature fast, MEAT-TYPE. Gilts and Sows bred for Jan., Feb. and March farrow. (Delivered.) Reasonable.
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Outstanding Bred Gilts. Open Gilts and Fall Boars offered. True MEAT-TYPE. COME, see them or write now. Reasonable.
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Workers — Companions — Guards. Shepherd puppies from working stock. Write for free lists.
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ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
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Purebred Border Collies English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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English Shepherd — Bobtail Shepherds
Border or Scotch Collie choice pups raised from our A-1 Natural Heelers. Guaranteed. Training instructions. Some partly trained.
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GENUINE ENGLISH SHEPHERD PUPS
DISTEMPER VACCINATED
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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The No. 5 Mower is protected against breakage by two effective safety features—the safety slip clutch, which protects the power line and cutting parts, and a safety spring release, which lets the entire mower swing back out of danger should the cutter bar strike an obstruction.

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Cure in HALF the TIME

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JOHN DEERE HAY CONDITIONER

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Please send me your free illustrated booklet on the No. 5 Mower ☐; on the new Hay Conditioner ☐.

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One trip through the field with the new John Deere Hay Conditioner picks up and thoroughly conditions every stem of hay. Conditioned hay cures in half the time . . . retains more of its valuable leaves . . . keeps more of its valuable vitamins and carotene. What's more, conditioned hay makes more palatable feed—brings up to eight dollars more per ton when sold.

Only the John Deere Hay Conditioner with interlocking corrugated metal rolls picks up and kinks stems in a fast once-over operation.

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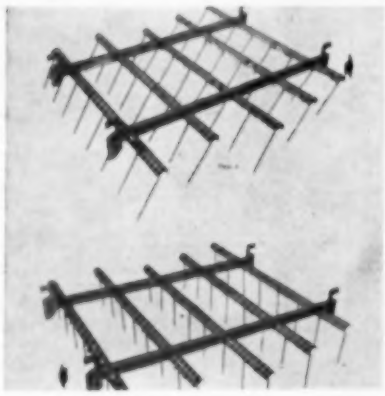
For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Air is pulled thru grain with this easily installed aerator. It consists of a blower attached to a 10-foot long perforated tube which is inserted downward into the center of the bin. Fresh air is drawn thru the grain and forced out thru another tube. High speed motor said to operate continuously without overheating, and to require no more electricity than a 60-watt bulb. Made by George A. Rolfes Co.

Udder cleaning device replaces buckets, rags and paper towels. It consists of 2½ gallon plastic bag, rubber hose and a sponge-rubber pad to be held in the palm of the hand. Cleansing solution from the suspended bag fills the sponge and keeps it ready for use. Squeezing the pad changes the solution. Made by Lewis W. Barton Co.



Coil spring harrow section is reversible. Pull one way for straight teeth as shown at bottom. Pull from other end for slanting teeth to clear trash as shown at top. Said to fit all types of harrow drawbars. Made by Melroe Manufacturing Company.

Deep well pump is made of nylon and stainless steel. Moving parts of nylon are said to resist wear from sand or other foreign material that may be in the water. Entire pump goes down in water where it can't be seen or heard. Capacity ranges up to 1,000 gallons per hour. Works at depths to 500 feet. Motor sizes one-half to two horsepower. Made by Dayton Pump and Mfg. Co.

Pigs on farms under six months old were 12 percent more than one year earlier, according to the January 1 livestock census. This tallies with the fall pig increase reported in December. Pigs shown here were pictured on the Robert Ward farm, Henry county, Iowa.

What's Ahead...

SUMMER PEAK in hog prices averages about $4 above the fall low. August was once the month of the summer high. But for five of the last seven years, top prices have come in July. Last year, the hog price peak came in June. It's been getting earlier, year by year, because pigs are farrowed earlier and make faster gains.

Homer Hush

You can expect the trend toward an earlier summer hog price peak to continue. If you have pigs that you are aiming for this summer's high, get them ready by July 4 if you can.

LOW POINT in hog prices usually comes in December. But it's working earlier too. November has been the low hog price month several times of late. This year's low month for hog prices will depend on how many late sows and gilts farmers market rather than keep to farrow. See page 83 for a discussion of hog price prospects.

With only a two percent reduction in sows and gilts kept to raise pigs, as present surveys indicate, hog prices this fall can be expected to be about the same as last fall. Light hog prices at Chicago averaged $12.75 in November, $11.40 in December.

FEEDER STEERS will be plentiful this summer and fall. January 1 total of steers one to two years old was one-seventh above one year before. Beef calf numbers were up too. See page 11 for a report on cattle supplies from the annual livestock census.

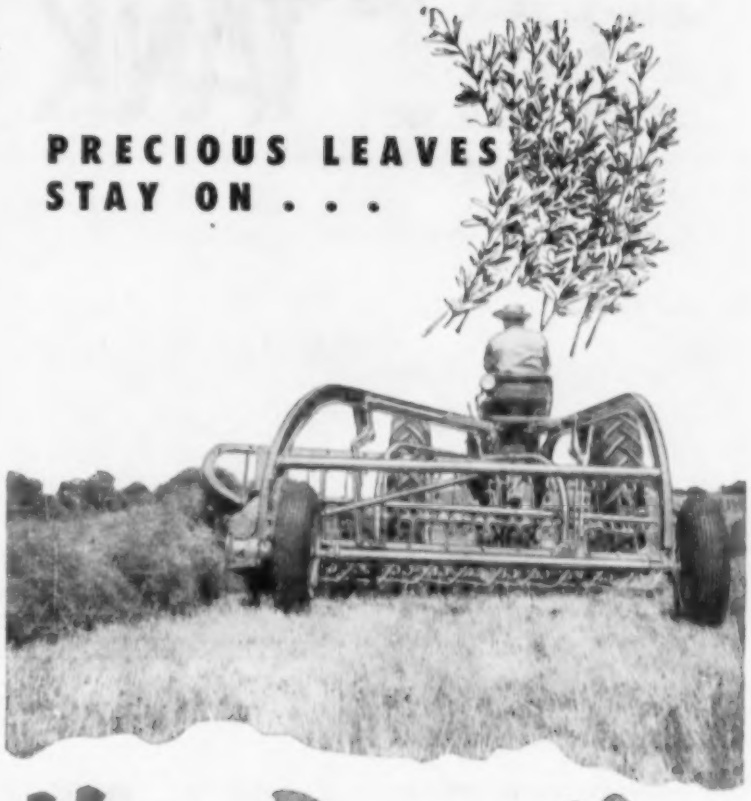
Supply prospects indicate lower feeder cattle prices this fall than last fall. Cattle feeding will be heavy again. Slaughter of cattle and calves this year may exceed last year's record of 40 million head.

EGG LAYERS next winter may total about two percent above last winter's flocks. Farmers said February 1 they would increase chicks three percent. But heavy culling because of the large number of old hens is expected. Therefore, the full three percent increase is unlikely.

Prospect is for egg prices to be lower next winter than they were last winter. But egg production still might be moderately profitable.

HOG SALES from Iowa farms this month will be eight percent above sales for March, 1955. And 24 percent above the five-year March average, according to reports from farmers to the Iowa Crop and Livestock Reporting Service. Heavy receipts from last fall's pig crop will continue for six weeks or more.

PRECIOUS LEAVES STAY ON . . .



Make Better Hay

with the *Gentle Action* of High-Speed

JOHN DEERE SIDE RAKES

YOUR feed dollars are in the leaves of your hay—leaves contain carotene, minerals, proteins—the nutritious feed and the tasty flavor. Gentle John Deere Side-Delivery Rakes make sure you not only save more leaves but let you hustle right along at higher speeds. You'll make airy, faster-curing windrows with leaves tucked safely inside, stems outside.

HIGH-SPEED No. 851 RAKE

With the semi-integral John Deere No. 851 Rake (above) you can make excellent leaf-saving windrows at speeds up to 7 miles per hour. It's equipped with a right-angle reel which reduces the forward movement of hay approximately 50 per cent. Flexible, spring-suspended reel . . . ground drive . . . high clearance . . . curved teeth—these features of the No. 851 Rake assure better hay in every crop.

The John Deere No. 858 Rake has all of the features of the No. 851 plus additional teeth and strippers for clean raking in beans and similar crops.

Drawn John Deere No. 594 Side-Delivery Rakes are available in low-wheel or steel-wheel models. The floating cylinder follows the surface of the ground to get all of the hay even in difficult raking conditions such as rough ground, ridges, and swales.

See your John Deere dealer. Mail coupon today for free descriptive literature.

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Please send me free folders on the following:

☐ No. 850 Series Semi-Integral Rakes
☐ No. 594 Series Drawn Rakes
☐ John Deere Way of Making Hay

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JOHN DEERE
MOLINE, ILLINOIS

THE TANK TRUCK

NURSERYMAN-FARMER HENDERSON *shows off one of his thriving bed plants to Conoco Agent, Burl G. Logan.*

PRIZE WINNER! *Pride and joy of the Henderson farm is this champion registered Jersey, which grazes on 100 acres of pasture.*

A farmer who thrives on a "mixed green" diet!

Whether it's green pastures or greenhouses that need tending, count on Aubrey Henderson to come up regularly, with high-profit yields! A pioneer nurseryman in the Lafayette, Louisiana area, Aubrey is regarded as a top man in this field. In addition, he maintains 100 acres of pasture land for his herd of registered Jerseys.

These days, Aubrey devotes 135 acres to nursery farming . . . and, with an average annual yield of 750,000 bed plants from each of his several greenhouses, it's no wonder his nursery holdings pay out big!

After hours, Aubrey finds time to serve as president of the Louisiana Nurseryman's Association and to attend regular meetings of the Gulf Coast Cattleman's Club.

To help keep busy farm schedules in line, Mr. Henderson uses five tractors, four trucks, two pick-ups, and other machinery . . . all cared for "100%" with *dependable* Conoco products!

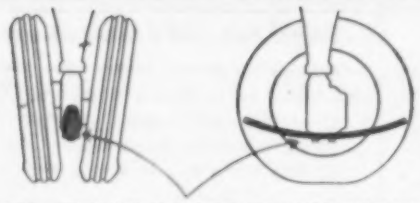
"I've been using Conoco oils and lubricants in all my equipment ever since 1943," says Aubrey, "and I think your New Conoco Super Motor Oil is tops! I team it with your other fine products to make sure my machinery *stays* in first-class condition at all times."

Like farmer Henderson, you can help keep your equipment running right . . . and running longer . . . with *dependable* Conoco products. For all the facts, phone your Conoco Man *today!*

Treat your farm equipment to New Conoco Super Motor Oil!

America's first *Double-Duty* motor oil gives tractors, trucks, *all* equipment full-time protection against *both* friction and acid wear! **Oil-Plating®** . . . a Conoco exclusive . . . binds a tough film of lubricant to engine surfaces to conquer friction wear. **Oil-Cleansing** conquers corrosive wear by *neutralizing* engine acids . . . by rustproofing your engine . . . by holding dirt and dust in harmless oil suspensions. Order New Conoco Super Motor Oil from your Conoco Man!

Tractor Wheel Mud Scraper



AUTO SPRING BOLTED TO FRONT AXLE

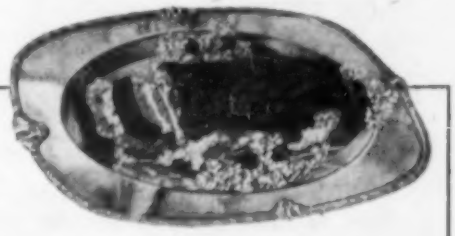
Short leaf from auto spring, drilled and mounted as shown, keeps mud from accumulating between front wheels. Idea by John Kaus, Selden, Kansas.

Saws for Ideas!

Like to win a D-95 Henry Disston Hand Saw, worth $10.00? Send original ideas to *The Tank Truck*, Dept. L, Continental Oil Company, Ponca City, Okla. If we use the idea, you get the saw! All ideas become the property of Continental Oil Co.

BEEF POTATO ROLL

by Mrs. Jess Dufur, Dolores-Gateway, Colorado



- 6-9 potatoes (3 cups mashed)
- 2 lbs. ground beef
- 2 teaspoons salt
- ⅛ teaspoon pepper
- 1 chopped onion
- 3 slices crisp bacon, crumbled
- 1 egg, slightly beaten
- 1 tablespoon Worcestershire Sauce

Combine all ingredients but potatoes. Place on wax paper and shape into a ½-inch thick rectangular patty. Mound mash potatoes down center of meat; bring up edges of wax paper to wrap meat around potatoes; press edges of meat together. Place in shallow pan and remove wax paper. Bake one hour at 350 degrees and serve with chili sauce. Serves 6-8.

SHEARS FOR RECIPES! Send your favorites to Mrs. Annie Lee Wheeler, Dept. L, Conoco Cafeteria, Ponca City, Oklahoma. For every recipe published with your name, we'll award a pair of Wiss Pinking Shears, worth $8.95! All recipes become the property of Continental Oil Company.

Conoco Super Gasoline with TCP*... makes a powerful difference!

Today, start using Conoco Super Gasoline with **TCP!** After two tankfuls, *you* should be enjoying up to 15% more power . . . greater gas mileage . . . longer spark-plug life . . . and all the benefits of an engine tune-up! Drive in to your Conoco Dealer's for this astonishing *new kind* of fuel. See why the greatest gasoline *development* in 31 years became the greatest *success* in gasoline history!

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- Conoco Anti-Freezes

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